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Monthly Performance Report

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EXECUTIVE SUMMARY

The Demolition, Waste, Fuels & Remediation Services (DWF&RS) Project team completed the last multi-canister overpack (MCO) shipment of irradiated fuel fragments from the K West Basin to the Canister Storage Building (CSB) for long-term storage on the Central Plateau. The shipment marks a historic moment for cleanup in the 100K Area. Success of this shipment also prepares crews for the next stage of the Sludge Treatment Project (STP) in which we will use a similar process to package knock-out pot material into MCOs for shipment to the Canister Storage Building.



The last shipment of irradiated fuel fragments leaves the 100K Area bound for the Canister Storage Building

The Engineering, Projects & Construction (EPC) and Soil & Groundwater Remediation Project (S&GRP) teams celebrated the award of the first Leadership for Energy and Environmental Design (LEED®) “Gold” certification for sustainable design in the DOE Environmental Management Complex. The main process building for the 200 West Groundwater Treatment Facility was specifically designed to achieve LEED Gold certification for sustainable design. Gold Certification is the second highest benchmark set by the U.S. Green Building Council for high-performance green buildings.



The site of the former 2736-ZB Vault Complex at the Plutonium Finishing Plant

The Plutonium Finishing Plant (PFP) completed removal of the 2736-Z facility. Removal of the 2736-ZB Vault Complex is nearly complete. PFP and demolition crews successfully demolished the complex that comprised six structures and approximately 20,000 square feet and once stored plutonium in metal canisters until they were shipped for weapons production.

All CHPRC employees were invited to an all-hands meeting on April 25 at the TRAC in Pasco where the leadership team shared recent accomplishments and progress and addressed employees' common questions and concerns.



CHPRC Employees at the all-hands meeting April 25, 2012

Focus on Safety

The Plutonium Finishing Plant Closure Project (PFP) hosted the April 2012 President's Zero Accident Council (PZAC) meeting. The primary themes for the meeting were:

- Respiratory Protection Equipment Peer Check
- Biological Inhalation Hazards
- Congested Area Checklist

The initial presentation provided the audience a breath of fresh air as PFP displayed its innovative awareness and corrective action activity to remedy problems encountered with the use of a Powered Air Purifying Respirator (PAPR). Over the past few months, PFP has experienced a handful of issues with the use of PAPR cartridges. The project worked with the PAPR manufacturer, the Hanford Respiratory Protection Committee, and CHPRC's Respiratory Protection Program Administrator to devise an approved method of protecting the PAPR to prevent additional problems. In addition, PFP worked with CHPRC Communications to develop and present an instructional video on how to properly utilize the PAPR. The effort eventually earned CHPRC the coveted 2012 Voluntary Protection Program (VPP) Innovation Award for Region X. Dr. Rock, the risk communicator from the site medical provider, provided a solid presentation on common Hanford respiratory hazards. An injury report was presented and updates were provided on injury and illness performance metrics and Environmental Management System (EMS). April's VPP presentation sniffed out the relationship between worker involvement and a successful path to STAR status. The meeting closed positively, by giving the audience an opportunity to breathe in Good News Stories and a Lifesaving Award.



Important safety and environmental messages were expressed through five *"Thinking Target Zero"* bulletins:

- Sizzling Summer Safety
- Migratory Bird Treaty Act
- Worker's Bill of Rights
- Importance of Hydration
- Confined Space

April *Weekly Safety Tailgate* briefing packages conveyed the following important topics and safety communications:

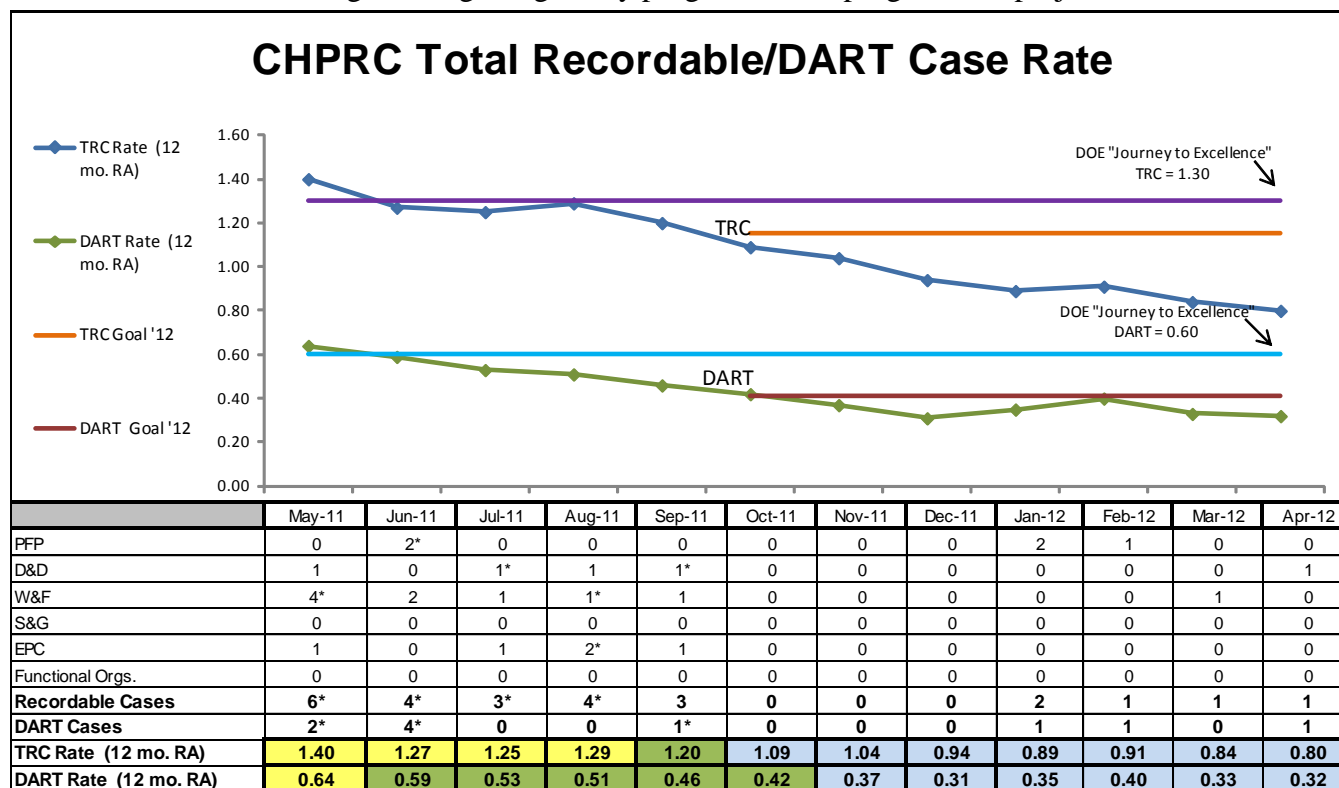
- Changes to Subcontractor Hazard Analysis Documents
- Windy Days
- Summer Safety
- Hazards of Backing Up When Walking or Climbing Down
- Medical Treatment for Potentially Contaminated Individuals
- Hard Hat Recycling
- Fall Protection
- Earth Day 2012
- Distracted Driving – Don't Text!
- Recent Changes to the Employee Job Task Analysis Process
- HAZWOPER Training and Medical Surveillance

- Vehicle Safety
- Lessons Learned Fork Lift Accidents
- Vehicle Mounted Fire Extinguishers
- Substantial Footwear
- Electrical Safety
- Summaries of injuries, illnesses, and close calls

TARGET ZERO PERFORMANCE

April 2012

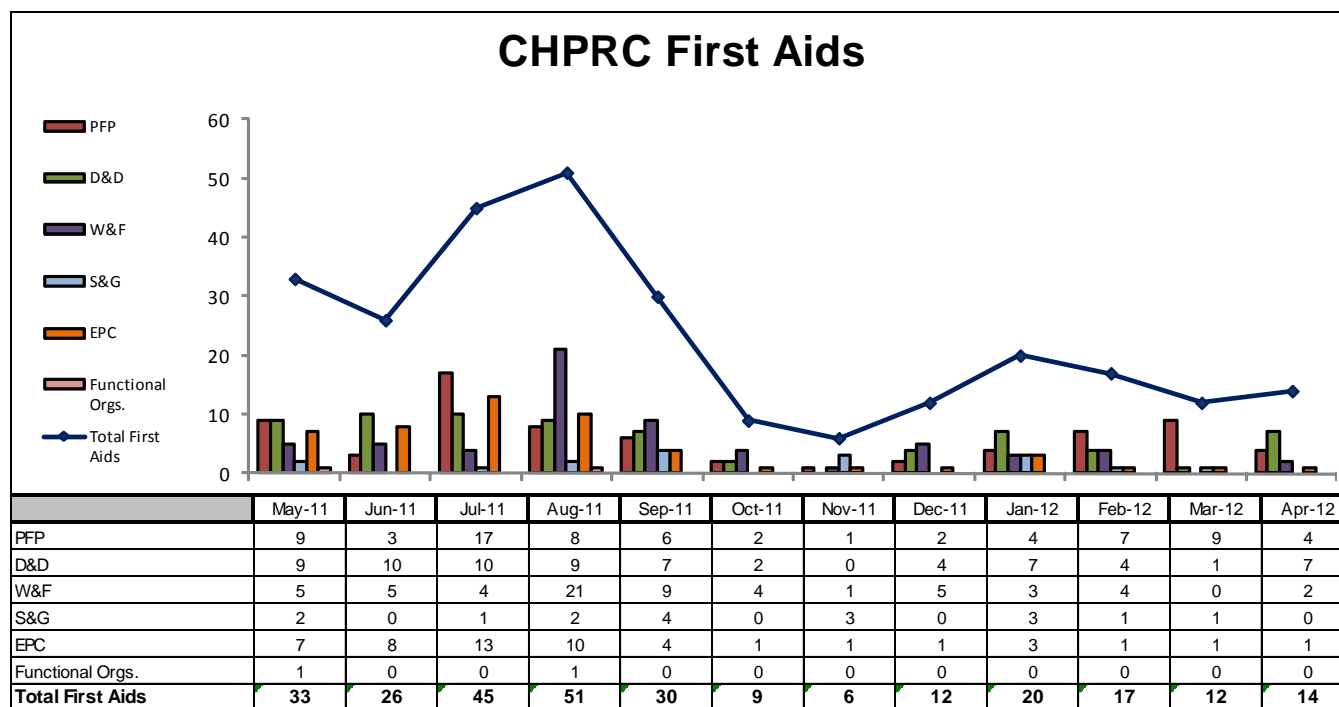
CHPRC continued focusing on integrating safety programs in all program and project areas.



Total Recordable Injury Case (TRC) Rate – The 12 month rolling average TRC rate of 0.80 is based upon a total of 25 recordable injuries. There was one Recordable case in April.

Days Away, Restricted or Transferred (DART) Workdays Case Rate – The 12 month rolling average DART rate of 0.32 is based upon a total of 10 cases (four Restricted, six Day Away Cases). There are currently two cases under review requiring additional information.

*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 14 first-aid cases in April. The biggest contributors were 7 sprains, strains and/or pains from awkward positions, overexertion's and slips / trips / falls at same level. There were three abrasions / contusions from contact with/being struck by an object. The other injuries were varied.

KEY ACCOMPLISHMENTS

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

RL-0011 Nuclear Materials Stabilization and Disposition

Disposition PFP Facility – ARRA

In Room 235A-2, the stair was removed and the door permanently blocked. In addition, the abandoned capacitor frame work and associated conduit and enclosure were removed from the pit floor.

In Room 235Z-3, the removal of two 2" process vacuum lines was completed and approximately 50% of the North mezzanine was removed.

In Room 228A, the conveyor section of HC-1B, glovebox HC-10, and the balance enclosure above HC10 and large support beam for this balance were removed.

In Room 228B, the D6 drain line was removed and the mechanical isolation of HC-12S was started.

In Room 228K, the mechanical isolation of glovebox HC-17P and HC-17BB was completed.

Base

Disposition PFP Facility – Base

Backside Rooms (Rooms 158-172) D&D

Room 166 GB Mechanical Isolation: completed removal of Distilled Water, 30 and 40 pound air piping

Disposition PFP (234-5Z) Facility

Process vacuum piping removal is just over 40 percent complete with 1,389 total feet removed.

During the month of April, 25 feet of asbestos containing material was removed bringing the total to 16,228 total feet removed.

2736Z/ZB Vault Complex

Demolition and site demobilization continued on 2736-ZB Complex; which is now 99.5% complete overall.

Plutonium Reclamation Facility (PRF)

Size reduction of Pencil Tank Assembly 128 was completed and size reduction of Pencil Tank Assembly 18 was initiated.

Mechanical isolation of the gloveboxes was initiated. The nitric acid line and process water line from Tank 119 was drained and removed.

RL-0012 Spent Nuclear Fuel Stabilization and Disposition

Representatives from 100K Operations, Construction Forces, and the STP Project completed the Construction Completion Document walkdown of the KPS hardware installation and associated grating panel installation on 04/19/12. All punch list items have now been successfully resolved. This significant accomplishment completes Performance Measurement 12-02.1c.2, "Complete Equipment Installation in the Basin."

The found fuel MCO was closed and lifted from the KW basin on Sunday 4/15/12, and shipped to the Cold Vacuum Drying Facility the next day, Monday 4/16/12, where drying operations began the same day. The MCO was shipped to the Canister Storage Building (CSB) on Monday 4/23/12.

RL-0013 Waste and Fuels Management Project

ARRA

Lay-Up Activities

No American Recovery and Reinvestment Act (ARRA) funded M/LLW was received during April 2012; final returns due in May.

Base

Project Management

Continued Project Management support for high priority projects.

Completed Business Case Analysis for deinventory of Cat I nuclear material from the Hanford Site in support of reducing site security costs.

Capsule Storage & Disposition

Completed 182 of 998 scheduled capsule moves (521 to date)

Completed summerization activities

Canister Storage Building (CSB)

Received legacy fuel multi-canister overpack (MCO) from Cold Vacuum Drying Facility (CVDF)

Completed annual inspection of the heating, ventilation and air conditioning (HVAC) service area and operating area duct heater

Completed 6 month MCO Handling Machine (MHM) high efficiency particulate (HVAC) air filter aerosol testing

WRAP

Completed one Technical Safety Requirement (TSR) surveillance

Completed 14 Preventive Maintenance (PMs) packages

T-Plant

Completed nine Technical Safety Requirement (TSRs) surveillances

Completed 28 Preventive Maintenance (PMs) packages

Central Waste Complex (CWC)

Completed seven Technical Safety Requirement (TSRs) surveillances

Completed 21 Preventive Maintenance (PMs) packages

Completed 178 Rad Operational Surveillances

Liquid Effluent Facilities (LEF)

Received 13 tankers (calendar year [CY] 60k gallons)

Treated effluent to State-Approved Land Disposal Site: 3.3M gallons (CY 5.1M)

200A Treated Effluent Disposal Facility (TEDF) discharged 1.7M gallons (CY 5.1M)

Received Environmental Restoration Disposal Facility (ERDF) leachate (189k gallons) at Liquid Effluent Retention Facility (LERF) Basin 44 (CY 814k)

RL-0030 Soil and Groundwater Remediation**Base****GW Remedy Implementation**

200WP&T: Continued Construction Acceptance Test (CAT) Procedures (33 of 33 complete) as of April 24, 2012. Acceptance Test Procedures (ATPs) (15 of 23 complete) on schedule. Preparation for the Integrated Acceptance Test Procedure (IATP) started on April 30, 2012 with readiness assessment starting on April 17, 2012.

Operations**Strategic Integration**

Remediation Optimization Study: Completed the development of the optimization schedule and sensitivity analysis. The schedule was reviewed with RL representatives and comments were incorporated.

Environmental Databases

Support for Stakeholders for Verification Sampling Results and Well Documents: Modified the External Dashboard Application that provide stakeholder access to environmental data that supports Cleanup Verification Packages (CVPs) and to well documents.

Technical Integration

100 Area RI/FS Support: Coordinated and conducted a field walkdown of coal ash locations with risk assessment and environmental science staff, for the purpose of evaluating the use of field observations to document the plant/animal communities at such locations.

Central Plateau**200-BP-5 Operable Unit – Base**

Treatability test construction was completed and layed up. Test performance delayed to post FY2012. The Operating Procedure was approved and the system is ready to operate when funding becomes available.

200-UP-1 Operable Unit – Base

Construction and Acceptance Test Procedure (ATP) of the Waste Management Area (WMA) S-SX extraction system was completed, except for final pipeline connects to the 200 West Treatment Facility and the well racks. The final connections were initiated in late April.

200-ZP-1 Operable Unit – Base

Identified final list of existing groundwater monitoring wells to be included as part of the water level monitoring network for the 200 West P&T system. Water level monitoring equipment is currently being installed.

Pump and Treat Operations – Base

P&T Operations is trending ahead of the goal of reaching one billion gallons of treated contaminated groundwater in FY2012.

RL-0040 Nuclear Facility D&D, Remainder of Hanford**ARRA – U Plant/Other Decontamination and Decommissioning (D&D)**

Completed repackaging of 209E Slab and Bellow tanks.

Base**Outer Zone D&D**

Completed 6 operational surveillances

Completed 56 Radiological Operations surveillances.

Completed 13 preventive maintenance (PM) activities.

RL-0041 Nuclear Facility D&D, River Corridor**ARRA**

No American Recovery and Reinvestment Act (ARRA) accomplishments.

Base**Facilities**

Completed the temporary exterior covers at 105KE facility.

Commenced interior cleanup activities. Removed combustible materials at 1st floor.

Completed drum removal at 105KE facility.

Waste Sites

Continued remediation of waste sites 100-K-3, 100-K-68, 100-K-69, 100-K-70, and 100-K-71.

Completed preliminary plan for modeling to determine protectiveness for waste sites around the 105KE reactor building is underway.

MAJOR ISSUES

RL-0011 Nuclear Materials Stabilization and Disposition

Issue - On August 29, Exhaust Fan #1 in the 291-Z facility catastrophically failed and caused a small fire when a hot bearing made contact with the drive belt.

Corrective Actions - A thorough evaluation of the 291-Z exhaust fans was performed. The evaluation identified additional mechanical issues with most of the remaining exhaust fans. A positive Unreviewed Safety Question (USQ) determination was declared and Evaluation of Safety of the Situation (ESS) was prepared and submitted to RL for approval. The ESS was approved by RL on September 15, 2011 (Letter #11-SED-0165). Normal ventilation fans were restarted and the Terminate Activities condition was exited. Normal D&D activities were authorized to commence. A JCO was submitted to RL via letter CHPRC-1104667 R1 on November 28 as directed by the ESS.

Status – Performance of weld repair activities began April 12, 2012. Upon successful completion of the welding and balancing of Exhaust Fan 5, the installation of switches to shut down the fans on high vibration will begin. The exhaust ventilation system Enhanced Maintenance Program procedures have been completed and will be implemented by mid-June. Approval of the Justification for Continued Operation was received March 27, 2012.

RL-0012 Spent Nuclear Fuel Stabilization and Disposition

No major issues to report this month.

RL-0013 Waste and Fuels Management Project

At CWC an employee issued a stop work on the operation of the local fan disconnects on all of the 2402 series buildings due to disconnects being clogged with sand and dirt. Completed replacement/cleaning of disconnects on 13 buildings April 26, 2012. Stop work was lifted with concurrence of employee.

RL-0030 Soil and Groundwater Remediation

Issue - The number of comments on CERCLA document comments 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”.

Corrective Action -

- 1) Maintain list of policy and technical decisions that remain open and have been resolved
- 2) Development of detailed Field Execution Schedules
- 3) Engagement of Assistant Manager for Central Plateau (AMCP) Management for technical decisions
- 4) Identified additional resources necessary to meet schedule
- 5) Partnering sessions between RL and CHPRC

Status - AMCP Management is working with the Regulators to determine the appropriate path forward on policy level decisions. Additional resources have been obtained and are fully engaged in the completion of the CERCLA documents.

Issue - The 200 West Groundwater Treatment Facility Project has experienced an increase in several work activities due to realization of risks previously established, resulting in an increased Estimate to Complete (ETC) and therefore an increased Variance at Completion (VAC). The changes in work activities have cost and schedule impacts beyond the cost of the mitigating action itself and in some cases compounding effects (e.g., changes in work activities caused delay to construction completion, which in turn results in weather issues during testing that were not previously expected). Another common cost impact is retaining staff beyond the project's ramp down/closeout plan to manage work that was delayed. The impacts occur in the following areas:

- Equipment Impacts due to Weather
- Well capacity
- Fiber Optic Cable in place of wireless
- Touch-up Painting/Trade Damage
- Sludge Stabilization System (Lime)
- Programming Support/ Integration of Package Software Systems
- Tank Repairs
- Piping Supports/Repairs
- Procedure/As-Building Development
- MBR Recirculation Loop & Chemical Skid Modifications

Corrective Action - The project will continue to work with Soil & Groundwater Operations to work the funding issues by:

- Re-evaluate cost savings efforts across the project
- Evaluate viability of Credits and Back Charges against subcontractors who own some of the responsibilities.
- Work was stopped on three projects on April 9, 2012.
 - DVZ Treatability Test
 - BP-5 Treatability Test
 - BY Crib

Status - Funds issues remain to be resolved within the project and the overall Project Baseline Summary.

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

No major issues to report this month.

RL-0041 Nuclear Facility D&D, River Corridor

No major issues to report this month.

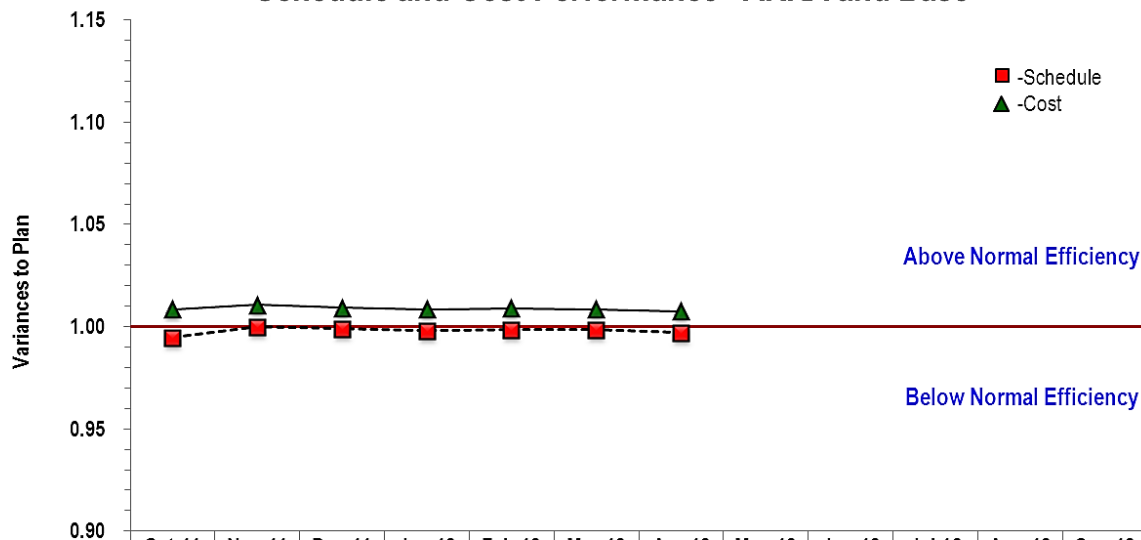
RL-0042 Fast Flux Test Facility Closure

Issue: Operating record for Waste Management Unit inaccurate.

Status: Completed waste profile on 400 Area Interim Storage Area inventory. Making preparations to perform the pre-transfer review and the receipt inspection. Continuing to review records in an attempt to determine receipt date.

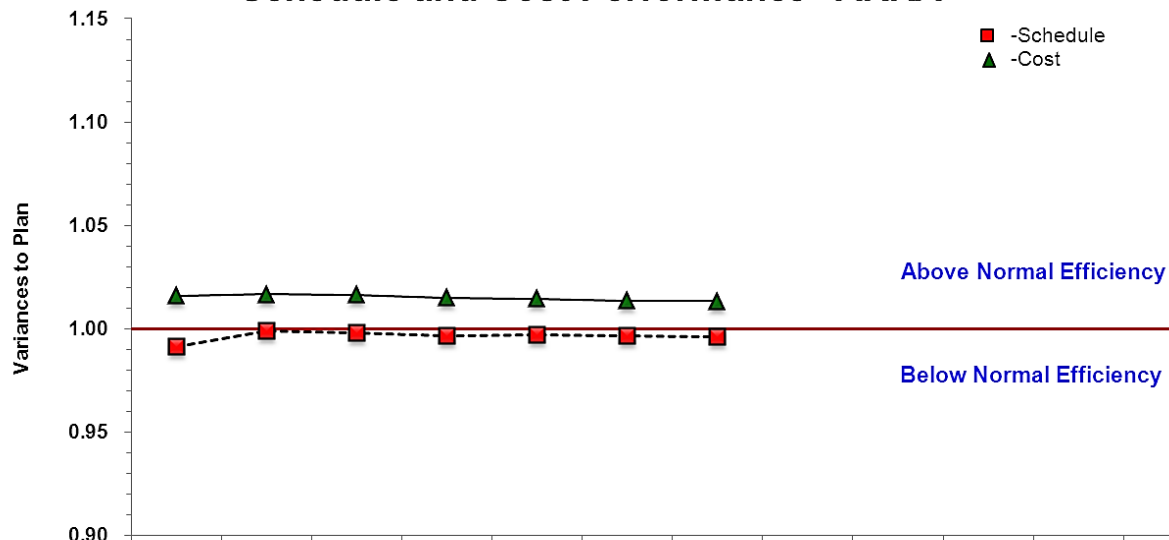
EARNED VALUE MANAGEMENT

Schedule and Cost Performance - ARRA and Base



	Oct-11	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12
MONTHLY SPI	12.97	1.49	0.94	0.90	1.05	1.00	0.89					
MONTHLY CPI	0.84	1.14	0.93	0.96	1.03	0.98	0.93					
--■-- CTD SPI	0.99	1.00	1.00	1.00	1.00	1.00	1.00					
—▲— CTD CPI	1.01	1.01	1.01	1.01	1.01	1.01	1.01					

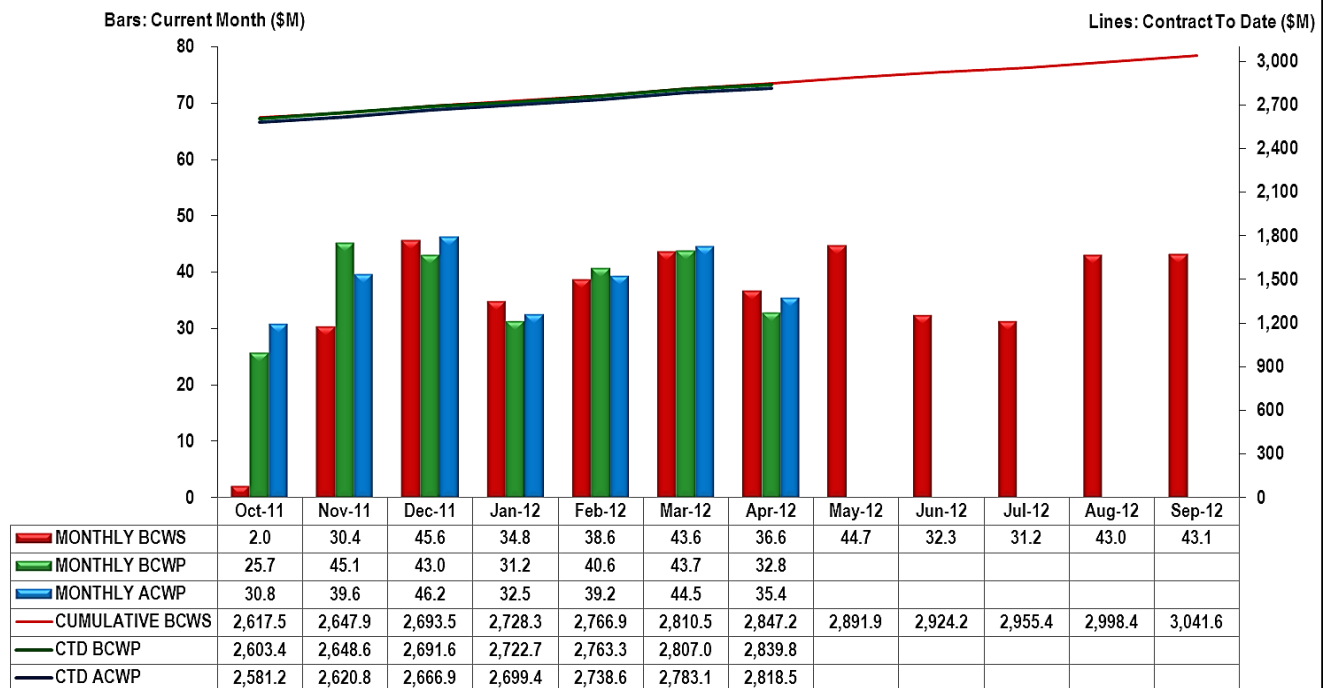
Schedule and Cost Performance - ARRA



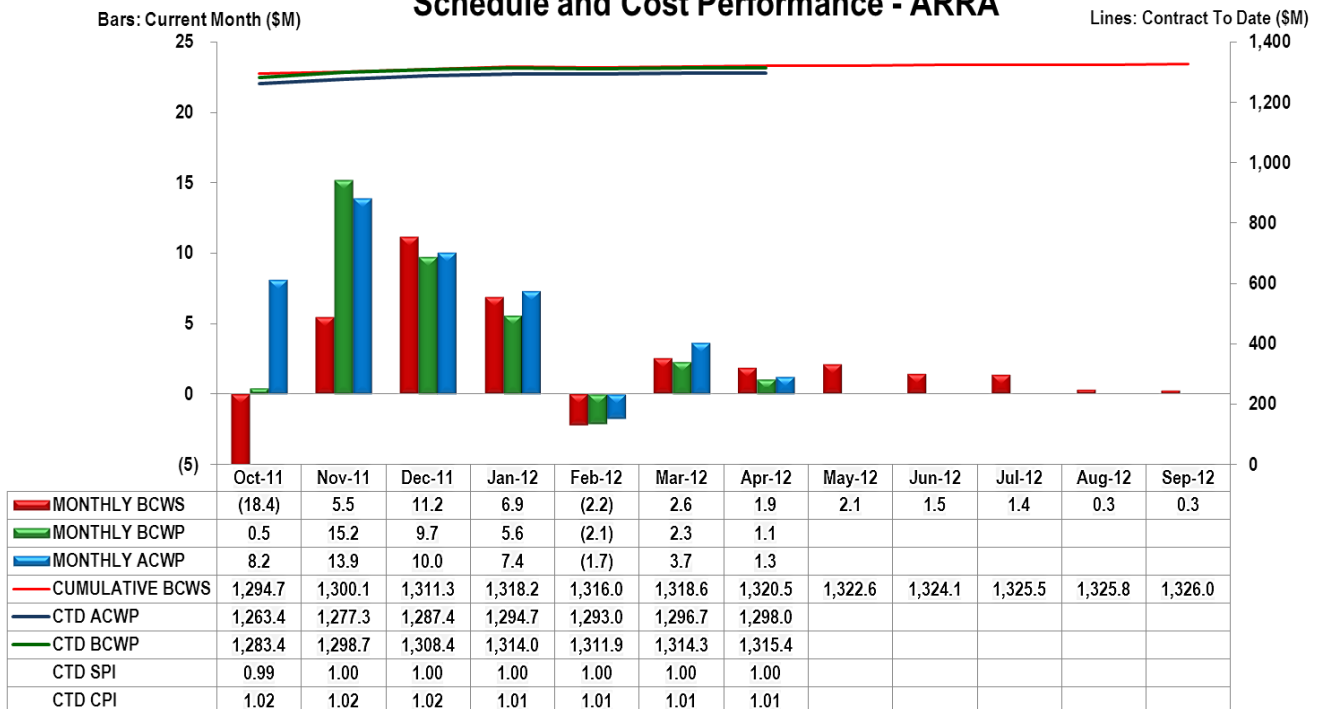
	Oct-11	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12
MONTHLY SPI	(0.03)	2.78	0.87	0.81	0.95	0.91	0.58					
MONTHLY CPI	0.06	1.09	0.97	0.76	1.22	0.64	0.87					
--■-- CTD SPI	0.99	1.00	1.00	1.00	1.00	1.00	1.00					
—▲— CTD CPI	1.02	1.02	1.02	1.01	1.01	1.01	1.01					



Schedule and Cost Performance - ARRA and Base



Schedule and Cost Performance - ARRA



Performance Analysis – April

ARRA Performance by PBS

	\$M				
	Current Period				
	Budgeted Cost		Actual Cost	Variance	
	BCWS	BCWP	ACWP	Schedule	Cost
RL-0011 - PFP D&D	1.7	1.0	2.1	(0.6)	(1.1)
RL-0013 - MLLW Treatment	0.0	0.0	0.0	0.0	(0.0)
RL-0013 - TRU Waste	0.0	0.0	(0.0)	0.0	0.0
RL-0013 - TRU Wst Facil Trans MinSafe	0.0	0.0	0.1	0.0	(0.1)
RL-0030 - GW Capital Asset	0.0	0.0	0.1	0.0	(0.1)
RL-0030 - GW Operations	0.0	0.0	(0.0)	0.0	0.0
RL-0040 - U Plant/Other D&D	0.0	0.1	0.3	0.1	(0.2)
RL-0040 - Outer Zone D&D	0.0	0.0	(0.0)	0.0	0.0
RL-0041 - 100K Area Remediation	0.2	0.0	(1.3)	(0.2)	1.3
(Numbers are rounded to the nearest \$0.1M)	Total	1.9	1.1	1.3	(0.8)
				(0.2)	

ARRA

The Current Month unfavorable Schedule Variance (-\$0.8M/-41.5%) reflects:

- The RL-0011 negative variance (-\$0.6M) is due to RMA/RMC D&D teams unable to effectively work planned shifts due to contamination events, recovery actions, and work documents not released to support planned activities. Baseline schedule durations were predicated on an "enhanced time on tools efficiency" after January 01, 2012, which has not yet been realized.
- The RL-0013, 30, 40, 41 variances (-\$0.2M) are within reporting thresholds.

The Current Month unfavorable Cost Variance (-\$0.2M/-14.8%) reflects:

- The RL-0011 negative variance (-\$1.1M) is due to inefficiencies associated with schedule issues and the limited ability to re-assign resources to other projects when events prevent work in assigned areas. Three months of TRU waste disposal cost occurring in the current period also contributes to the variance.
- The RL-0013 negative variance (-\$0.0M) is within reporting thresholds.
- The RL-0030 negative variance (-\$0.1M) is within reporting thresholds.
- The RL-0040 negative variance (-\$0.2M) is within reporting thresholds.
- The RL-0041 positive variance (+\$1.3M) reflects the following:
 - 100K Area Project (+\$1.3M) The positive variance is due to several cost transfers that were processed during the month that move costs to Base funding (i.e. KE Sedimentation Basin, 165KE Building and assessments).

Base Performance by PBS

	\$M				
	Current Period				
	Budgeted Cost		Actual Cost ACWP	Variance	
	BCWS	BCWP		Schedule	Cost
RL-0011 - Nuclear Materials Stab & Disp PFP	7.5	8.3	8.2	0.7	0.1
RL-0012 - SNF Stabilization & Disposition	5.5	4.9	6.2	(0.6)	(1.3)
RL-0013 - Solid Waste Stab & Disposition	6.6	6.9	5.9	0.3	1.0
RL-0030 - Soil & Water Rem-Grndwtr/Vadose	10.2	8.2	8.9	(2.0)	(0.7)
RL-0040 - Nuc Fac D&D - Remainder	1.0	0.9	1.0	(0.1)	(0.1)
RL-0041 - Nuc Fac D&D - RC Closure Project	3.7	2.3	3.8	(1.4)	(1.5)
RL-0042 - Nuc Fac D&D - FFTF Project	0.1	0.1	0.1	(0.0)	0.0
(Numbers are rounded to the nearest \$0.1M)	Total	34.7	31.7	34.1	(3.1)
				(2.5)	

Base

The Current Month unfavorable Schedule Variance (-\$3.1M/-8.8%) reflects:

- The RL-0011 positive variance (+\$0.7M) is due to performance earned on ZB Complex demolition activities scheduled to be complete in prior periods and receiving SLB-2 waste containers ahead of schedule.
- The RL-0012 negative variance (-\$0.6M) is due to containerized sludge activities ahead of schedule in previous periods and realizing BCWS in the current period, K West fuel processing delays impacting the KOP Project construction testing and readiness activities.
- The RL-0013 positive variance (+\$0.3M) is within reporting thresholds.
- The RL-0030 negative variance (-\$2.0M) reflects the following subproject performance:
 - 200 ZP-1 Operable Unit (-\$2.0M) variance is the result of realized BCWS for work completed in previous months. Delays in completion of the ATP activities for the 200 West Pump and Treat have resulted in delays in the follow on operations of the new P&T system. ATP is to be completed in June and P&T operations will begin with no lasting impact.
- The RL-0040 negative variance (-\$0.1M) is within reporting thresholds.
- The RL-0041 negative variance (-\$1.4M) is primarily due the following:
 - Waste Sites (-\$0.4M) negative variance is due to Area AM not being worked as scheduled due to issues with the MOU approval. In addition, remediation of Waste Site 100-K-3 in Area AG has been slowed due to higher soil contamination than estimated.
 - 100K Area Project (Facilities and Others) (-\$1.0M) The negative variance is due to K East Sedimentation Basin, 165KE Structure and 105KE Water Tunnel are behind schedule due to limited resources.
- The RL-0042 negative variance (-\$0.0M) is within reporting thresholds.

The Current Month unfavorable Cost Variance (-\$2.5M/-7.8%) reflects:

- The RL-0011 positive variance (+\$0.1M) is within reporting thresholds.
- The RL-0012 Combined 100K and STP negative variances (-\$1.3M) is due to Fuel packaging operations took longer than planned due to additional debris in the containers requiring more resource time to complete and the cost to install trailers to support ECRTS Construction have been greater than expected.
- The RL-0013 positive variance (+\$1.0M) is primarily due to a contract accrual reversal (Retrieval contract claim was rejected), inventory adjustments, and schedule recovery in ETF without commensurate use of resources.
- The RL-0030 negative variance (-\$0.7M) reflects the following subproject performance:
 - 200 ZP-1 Operable Unit negative variance (-\$1.1M) is due to project hotel costs for extended effort on punchlist and ATP activities has resulted in a negative cost variance.
 - R1-0030 (Operations) positive variance (+\$0.4M) is within reporting thresholds.
- The RL-0040 negative variance (-\$0.1M) is within reporting thresholds.
- The RL-0041 positive variance (-\$1.5M) reflects the following subproject performance:
 - Waste Sites (+\$0.2M) positive variance is within reporting threshold.
 - 100K Area Project (-\$1.7M) negative variance is due to several cost transfers that were processed during the month that moved costs from ARRA to Base funding.
- The RL-0042 positive variance (+\$0.0M) is within reporting thresholds.

Performance Analysis – Contract to Date

ARRA Performance by PBS

	\$M								
	Contract to Date					Contract Period			
	Budgeted Cost		Actual Cost	Variance					
	BCWS	BCWP	ACWP	Schedule	Cost	BAC	EAC	Variance	
RL-0011 - PFP D&D	286.7	282.3	291.2	(4.4)	(8.9)	290.9	297.3	(6.3)	
RL-0013 - MLLW Treatment	47.7	47.7	42.7	(0.0)	5.0	47.7	42.7	5.0	
RL-0013 - TRU Waste	255.3	255.3	253.6	(0.0)	1.7	255.3	253.5	1.8	
RL-0013 - TRU Wst Facil Trans MinSafe	1.5	1.5	1.4	0.0	0.1	1.5	1.4	0.1	
RL-0030 - GW Capital Asset	175.0	175.0	174.8	0.0	0.2	175.0	175.0	0.0	
RL-0030 - GW Operations	92.1	92.1	89.5	(0.0)	2.6	92.1	89.5	2.6	
RL-0040 - U Plant/Other D&D	199.4	199.4	193.5	(0.0)	5.9	199.4	193.7	5.7	
RL-0040 - Outer Zone D&D	84.3	84.3	71.6	0.0	12.6	84.3	71.6	12.6	
RL-0041 - 100K Area Remediation	178.5	177.7	179.6	(0.8)	(1.9)	179.7	181.7	(2.0)	
(Numbers are rounded to the nearest \$0.1M)	Total	1,320.5	1,315.4	1,298.0	(5.1)	17.4	1,326.0	1,306.5	19.5

ARRA

The CTD unfavorable Schedule Variance (-\$5.1M/-0.4%) is within reporting thresholds.

The CTD favorable Cost Variance (+\$17.4M/+1.3%) is within reporting thresholds and reflects:

- The RL-0011 negative variance (-\$8.9M) is within reporting thresholds.
- The RL-0013 positive variance (+\$6.8M) reflects the following subproject performance:
 - RL-0013 MLLW Treatment (+\$5.0M), TRU Waste (+\$1.7M) and TRU Waste Facility Tans MinSafe (+\$0.1M) positive cost variances are due to efficiencies in TRU Characterization and Shipping, TRU Repackaging, T Plant and WRAP, MLLW efficiencies created by treating waste at Energy Solutions (ES) - Clive rather than planned treatment at PermaFix Northwest (PFNW) due to a waiver received from RL, ERDF negotiated rate reduction with vendor for waste containers, partially offset by increased materials and labor costs in support of the Trench Face Retrieval and Characterization System (TFRCS), and increased resources for TRU Retrieval deteriorated waste containers, increased allocations for additional office space and other assessments as a result of allocations to Recovery Act expenditures.
- The RL-0030 positive variance (+\$2.8M) reflects the following subproject performance:
 - RL-0030.R1.1 GW Capital Asset (+\$0.2M) positive variance is within reporting thresholds.
 - RL-0030.R1.2 GW Operations (+\$2.4M) The positive variance is due to the following:
 - Drilling (+\$2.4M) The positive cost variance is due to efficiencies and savings obtained in drilling for 100-NR-2 and 200-BP-5 wells. Cost efficiencies have been obtained through an aggressive drilling schedule with savings in support personnel and faster drilling methods. Well decommissionings have also been completed for less than planned.
 - Regulatory Decision and Closure Integration (+\$1.7M) The positive variance is primarily due to completing work scope more efficiently than planned, primarily in the areas of multi-

incremental sampling (using existing documentation and direct haul rather than staging), and borehole drilling and landfill characterization (competitive subcontracting of drilling support and efficient field support).

- Ramp-up and Transition (-\$2.0M) The negative variance was driven by increased Project Services Distribution to RL-0030.
- The RL-0040 positive variance (+\$18.5M) reflects the following subproject performance:
 - ARRA RL-0040.R1.1 U Plant/Other D&D (+\$5.9M) The positive 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 (+\$12.6M) The positive 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.
- The RL-0041 negative variance (-1.9M) is due to the following:
 - Waste Sites (+\$8.5) The positive variance is due to Confirmatory Sampling No Action (CSNA) sites that were completed at less than anticipated cost. This is partially offset by greater than anticipated extent and severity of contamination on many waste sites resulting in more tons disposed and more controls required, thus higher than anticipated cost.
 - 100K Area Project (-10.4M) The negative variance is due to numerous design changes and additional punch list items in the Utilities Reroute project; this also resulted in the project utilizing more vehicles and equipment than was originally planned as well as the Project Management costs to rise due to the corresponding increases for both labor and materials.

Base Performance by PBS

	\$M							
	Contract to Date					Contract Period		
	Budgeted Cost		Actual Cost	Variance				
	BCWS	BCWP	ACWP	Schedule	Cost	BAC	EAC	Variance
RL-0011 - Nuclear Materials Stab & Disp PFP	198.1	199.6	201.2	1.5	(1.7)	600.7	599.5	1.3
RL-0012 - SNF Stabilization & Disposition	294.6	293.4	296.0	(1.1)	(2.5)	532.2	534.7	(2.4)
RL-0013 - Solid Waste Stab & Disposition	360.2	359.6	365.0	(0.6)	(5.3)	1,106.7	1,111.5	(4.8)
RL-0030 - Soil & Water Rem-Grndwtr/Vadose	491.0	491.7	500.2	0.7	(8.5)	1,225.8	1,231.4	(5.6)
RL-0040 - Nuc Fac D&D - Remainder	75.1	74.9	67.7	(0.2)	7.2	370.3	362.3	8.0
RL-0041 - Nuc Fac D&D - RC Closure Project	94.6	92.1	78.9	(2.5)	13.2	337.8	326.0	11.8
RL-0042 - Nuc Fac D&D - FFTF Project	13.0	13.0	11.5	0.0	1.5	26.2	25.0	1.2
(Numbers are rounded to the nearest \$0.1M) Total	1,526.7	1,524.4	1,520.5	(2.3)	3.9	4,199.7	4,190.3	9.4

Base

The CTD unfavorable Schedule Variance (-\$2.3M/-0.1%) is within reporting thresholds and reflects:

- The RL-0011 positive variance (+\$1.5M) is within reporting thresholds.
- The RL-0012 negative variance (-\$1.1M) is due to KOP Project with delays to the start of packaging driven by the delays in found fuel packaging and safety documentation to support startup activities.
- The RL-0013 negative variance (-\$0.6M) is within reporting threshold. The variance is due to CSB, WESF, and ETF engineering activities delayed due to resource availability (assigned to higher priority activities).
- The RL-0030 positive variance (+\$0.7M) reflects the following subproject performance:
 - RL-0030.01 RL 30 Operations positive variance (+\$0.7M) is due to:
 - 100 NR-2 Operable Unit (+\$2.2M) The positive variance has resulted from performing barrier expansion and sampling support that was planned in FY2013, being performed in FY2011 and FY2012. Additional variances are within reporting thresholds.
- The RL-0040 negative variance (-\$0.2M) is within reporting thresholds.
- The RL-0041 negative variance (-\$2.5M) is due to the following:
 - Waste Sites (+\$0.8M) The positive cost variance is due to CSNA sites that were completed at less than anticipated cost. This is offset by Area AM not being worked as schedule due to the MOA not being approved
 - 100K Area Project (Facilities and Others) (-\$3.3M) The negative schedule variance is due to being behind on K East Sedimentation, 105KE Water Tunnel and 1908K Structure due to limited resources. 1908 is also impacted by the MOA not being approved until this month.
- The RL-0042 positive variance (+\$0.0M) is within reporting thresholds.

The CTD favorable Cost Variance (+\$3.9M/+0.3%) is within reporting thresholds and reflects:

- The RL-0011 negative variance (-\$1.7M) is within reporting thresholds.

- The RL-0012 negative variance (-\$2.5M) is the result of work completed for KE Basin Deactivation costing more than budgeted and Fuel Free work exceeding budget due to additional costs to sort out all the debris in the final fuel containers and additional schedule being used for readiness activities.
- The RL-0013 negative variance (-\$5.3M) is due to:
 - Mission Support Alliance (MSA) assessments above plan, TRU Retrieval additional resources to deal with deteriorated containers and drum wedge issue, FY2009 WRAP facility increased levels of corrective and preventive maintenance activities as a result of repack operations, increased labor and subcontractors support for Transportation and Packaging; partially offset by efficiencies in Liquid Effluent Facility (LEF), MLLW, TRU Disposition, TRU Repackaging, Interim Storage Area upgrades, Capsule Storage and Disposition, Mixed Waste Disposal Trenches (MWDT) and lower G&A allocations.
- The RL-0030 negative variance (-\$8.5M) primary contributors that exceed the reporting thresholds are as follows:
 - RL-0030.01 RL 30 Operations negative variance (-\$1.5M) can be attributed to:
 - Integration & Assessments (+\$4.3M) Less subcontractor support required for Central Plateau strategy development and integration, Sample Management and Reporting has performed work scope more efficiently than planned, less cleanup document reviews were required than originally planned, requiring less contract support. Also, efficiencies/savings were realized in establishing document templates, reviewing procedures, and software procurements.
 - Drilling (-\$2.6M) Radiological contamination encountered on five NR-2 wells has caused additional supporting resource requirements (Health Physics Technicians). In order to recover schedule additional well drilling rigs were used, resulting in overruns to the project. Also, cost for remaining casing at the completion of the project was accrued as it cannot be released to the contractor.
 - 100-NR-2 OU (+\$2.8M) Barrier expansion and sampling scope, chemical treatment and maintenance scope, jet grouting pilot test work, RI/FS Work Plan and Interim Proposed Plan Reporting were performed more efficiently than planned leading to the positive variance.
 - 100 HR-3 Operable Unit (-\$3.5M) Primary contributors to the negative cost variance are due to 100 DX extensive effort required to design the pH adjustment system, cost overruns in completing the OU Remedial Process Optimization studies, 100 DX The acceptance test plan (ATP) and the operational test plan (OTP) was more involved than planned with resource requirements exceeding the budget for the scope, additionally the work was performed in freezing weather requiring 24/7 attention to prevent freezing of pipes to continue water flow to and from wells, cost of realigning wells from DR-5 to 100 DX, 100 HX copper material costs increased significantly between estimate and procurement of materials resulting in cost overruns. Additionally the ATP was more involved than planned with resource requirements exceeding the budget for the scope and additional time and resources being spent on internal CERCLA (RI/FS) document development as a result of extensive RL comments.
 - 200-ZP-1 Operable Unit (+\$1.0M) Labor and subcontract cost for general operations and minor modifications support for 200-ZP-1 interim pump & treat facility is significantly less than planned. The system is running very smoothly with less adjustment than had been anticipated. Efficiencies are expected to continue with the interim facility operations until startup of the new 200 West Pump & Treat facility.

- 200 PW-1 OU (+\$1.2M) Labor and subcontract cost for general operations and minor modifications support is less than planned. In addition, efficiencies and savings experienced with the Soil Vapor Extraction (SVE) system testing prior to March 2010 as well as the removal of two old SVE units.
- Usage Based Services (-\$1.0M) Increased cost associated with training due to the additional ARRA work in FY2010 and fleet services costs that occurred in FY2009 and FY2010. Overruns will continue to be funds-managed within the S&GRP project.
- Ramp-up and Transition (-\$2.8M) The negative variance was driven by increased Project Services Distribution to RL-0030.
- RL-0030.C1 GW Remedy Implementation negative variance (-\$7.0M) can be attributed to:
 - 200-ZP-1 Operable Unit (-\$7.0M) The negative variance is due to 200W P&T construction associated with the CHPRC accrued costs for Construction Contractors 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 FY2011 including added shifts, overtime, and logistics of working parallel activities. Sludge Stabilization System installation is costing more than budgeted. There have been significant delays in long lead equipment, field installation issues, design changes and schedule extensions that have resulted in cost overruns. Interim Operations reflects significant progress and cost underruns achieved to date for System Calibration, design of the permanent hookup of well EW-1 was lower than planned as only minor changes were needed to an existing design, cost for performing general operating and maintenance and minor modification activities have been lower than planned as the system has been running smoothly, cost for collecting depth discrete groundwater and soil samples during the installation of new wells was less than planned, 200W Pump-and-Treat Remedial Design/Remedial Action work plan and preliminary design activities were completed with fewer resources than planned.
- The RL-0040 positive variance (+\$7.2M) is primarily due to 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.
- The RL-0041 positive variance (+\$13.2M) cost variance is within established reporting thresholds. The project is currently experiencing impacts associated with:
 - Waste Sites (+\$10.2M) The positive cost variance is due to CSNA sites that were completed at less than anticipated cost. This is partially offset by greater than anticipated extent and severity of contamination on many waste sites resulting in more tons disposed and more controls required, thus higher than anticipated cost, as well as level-of-effort activities bearing additional costs for increased functional group support.
 - 100K Area Project (Facilities and Others) (+\$3.0M) The positive cost variance is due to 105KE Reactor Disposition – ISS underrun as well as G&A and Direct Distributables.
- The RL-0042 positive variance (+\$1.5M) 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 positive variance.

FUNDING ANALYSIS

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

PBS	Project	FY2012		Variance
		Projected Funding	Spending Forecast	
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	0.6	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	99.4	91.0	8.4
RL-0012	Spent Nuclear Fuel Stabilization and Disposition	87.5	86.0	1.5
RL-0013	Waste and Fuels Management Project	88.3	84.3	4.0
RL-0030	Soil, Groundwater and Vadose Zone Remediation	121.1	123.1	(2.0)
RL-0040	Nuclear Facility D&D, Remainder of Hanford	11.3	12.1	(0.8)
RL-0041	Nuclear Facility D&D, River Corridor	36.1	33.9	2.2
RL-0042	Fast Flux Test Facility Closure	2.0	1.9	0.1
Total Base:		445.7	432.3	13.4

Funds/Variance Analysis:

The ARRA spending forecast assumes that all ARRA funding is spent in FY2012. Base funding reflects FY2011 carryover funds of \$42.2M and FY2012 new budget authority of \$403.6M. A funding reduction of \$6M was directed by RL, which will reduce the total Base projected funding to \$439.7M. In addition, the Base Spending Forecast does not include anticipated costs for Workforce Restructuring and MSA passbacks, which if incorporated with the reduction in funding, would leave the variance at near \$0. These changes will be reflected in the May monthly report.

BASELINE CHANGE REQUESTS

In April 2012, CHPRC approved and implemented five (5) BCRs, of which four (4) were administrative in nature and did not change scope, schedule or budget. The five change requests are identified in the table below:

Change Request #	Title	Summary of Change
Implemented into the Earned Value Management System for April 2012		
BCR-PRC-12-015R1	<i>Contract Modification 220</i>	<p>This Baseline Change Request (BCR) modifies the Performance Management Baseline (PMB) in accordance with the following:</p> <ol style="list-style-type: none"> 1. Contract Modification 220 transfers current CHPRC PMB work scope and budget to the proper Contract Line Item Number (CLIN), including identification of contract work scope assigned to CLIN 7. The Company Level Overhead rates have been revised to remove the CLIN 7 work scope. CLIN 7: Table B.4-2 "Deferred Work" contains estimated cost and fee of previously priced work scope for which there is insufficient funding and accordingly is not authorized pursuant to CHPRC contract clause B.14 entitled, <i>DOE Authorization of Work</i>. 2. RL Letter 12-PIC-007, Conditional Approval of BCR-PRC-12-001R0, "PRC Baseline Revision 3" reconciles the Management Reserve with the "Transmittal of Risk Analysis in Support of the PMB Revision 3". <p>Contract Modification 197, assignment of 100K Area West Reactor Basin decontamination, deactivation, and demolition activities moved from PBS RL-0012 to PBS RL-0041.</p>
BCRA-PRC-12-014R0	<i>Decommissioning, Waste, Fuels and Remediation Services - FOC Changes</i>	<p>This Administrative BCR:</p> <p>Aligns the Functional Organizational Code (FOC) groups consistent with the CHPRC Communication Log Number: CH1203-10 "W&FMP/D&D Project Reorganization," dated March 29, 2012.</p>
BCRA-030-12-019R0	<i>RL-30 April 2012 General Administrative Changes</i>	<p>This Administrative BCR:</p> <p>Incorporates narrative changes to WBS Dictionaries or CEIS BOE Narratives to address RL RCR comments on PMB rev-3.</p> <ol style="list-style-type: none"> 1. Modified the Finish on constraint date for three TPA Milestones in response to RL RCR comments on PMB rev-3. The impacted TPA milestones are listed in the Schedule Impacts and Affected WBS Section. 2. Modified WBS Dictionaries and CEIS Narratives in response to RL RCR comments on PMB rev-3. The Impacted WBS elements are listed in the Affected WBS No. Section. <p>This change request also modifies the Fiscal Year Global activity coding assignments within P6 and reflects some editorial changes to 12 activity descriptions.</p>
BCRA-000-12-006R0	<i>EPC FOC Update</i>	<p>This Administrative BCR:</p>

Change Request #	Title	Summary of Change
		Changes FOC 000.F title from Engineering, Procurement & Construction to Engineering, Projects & Construction
BCRA-PRC-12-013R0	<i>TPA Milestones M-037-03 & M-085-01</i>	<p>This Administrative BCR:</p> <p>Corrects an error and omission respectively, with the addition of two TPA Milestones to the PMB.</p> <p>The Closure Plans associated with TPA Change # M-37-12-01 (below) were assigned to Ecology to write and were not identified in the PMB Baseline. This modification has reassigned the responsibility to RL thus it has been re-added to the PMB Baseline Schedule. TPA Change # M-37-12-01 – Extend interim milestone M-037-03, “Submit Revised Closure Plans to support TSD Closure for 2 TSD Units: 216-B-3 Main Pond System, and 216-S-10 Pond & Ditch” due date 4/30/13. This milestone is added Under WBS 030.31.30.15.06 – Outer Area – Closure Area.</p> <p>TPA Change # M-85-10-01 - Modify Tri-Party Agreement to add M-85 series milestones for Central Plateau facilities and associated waste sites, due date 09/30/12. Milestone M-085-01 was previously omitted from the PMB, and is added under WBS 030.01.01.01.01 – Strategic Integration.</p>

Overall the contract period performance measurement baseline (PMB) budget is decreased by \$963.3M in April 2012.

Management Reserve Activity

BCR Number	Title	Fiscal Year	MR (ARRA) & PBS	MR (Base) & PBS
BCR-PRC-12-015R1	<i>Contract Modification 220</i>	2012-2018	N/A	\$31.3M
Overall MR Change in April 2012 increased \$31.3M				

Fee was reduced by \$11.3M in April 2012.

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, un-priced work scope were definitized at the PMB values as a result of change requests processed in April 2012, would be a decrease of \$963.3M and is summarized by fiscal year in the tables below (dollars in thousands, negative number represents reduction):

April 2012 Summary of Changes

	FY2009	FY2010	FY2011	FY2012	FY2013	FYs 2009-2013	FYs 2014-2018	Contract Period Total	Post Contract Total	Total PMB
March 2012 Estimate										
PMB	653,426	960,017	1,002,105	433,679	490,923	3,540,150	2,884,032	6,424,183	64,797	6,488,980
MR	0	0	0	10,219	10,487	20,706	64,919	85,625	0	85,625
Fee	39,712	48,772	32,322	17,000	18,000	155,806	94,400	250,206	0	250,206
Total	693,138	1,008,789	1,034,427	460,898	519,410	3,716,662	3,043,351	6,760,014	64,797	6,824,811
Change by Funding Source in April 2012										
PMB										
ARRA										
All ARRA WBSs	0	0	0		0	0	0	0	0	0
Base										
All Base WBSs	0	0	0	-7,652	-13,610	-21,262	-877,232	-898,494	-64,797	-963,291
Change to PMB	0	0	0	-7,652	-13,610	-21,262	-877,232	-898,494	-64,797	-963,291
MR										
ARRA										
All ARRA WBSs	0	0	0	0	0	0	0	0	0	0
Base										
All Base WBSs	0	0	0	13,206	1,858	15,064	16,280	31,344	0	31,344
Change to MR	0	0	0	13,206	1,858	15,064	16,280	31,344	0	31,344
Fee										
ARRA										
All ARRA WBSs	0	0	0	52	0	52	0	52	0	52
Base										
All Base WBSs	0	0	0	0	6,695	6,695	-18,054	-11,359	0	-11,359
Change to Fee	0	0	0	52	6,695	6,747	-18,054	-11,307	0	-11,307
Total Change	0	0	0	5,606	-5,057	549	-879,006	-878,457	-64,797	-943,254
April 2012 Estimate										
PMB	653,426	960,017	1,002,105	426,027	477,313	3,518,888	2,006,800	5,525,689	0	5,525,689
MR	0	0	0	23,425	12,345	35,770	81,199	116,969	0	116,969
Fee	39,712	48,772	32,322	17,052	24,695	162,553	76,347	238,900	0	238,900
Total	693,138	1,008,789	1,034,427	466,504	514,353	3,717,211	2,164,345	5,881,557	0	5,881,557

Changes to/Utilization of Management Reserve in April 2012

		FY2009	FY2010	FY2011	FY2012	FY2013	FY2009-2013	FY2014-2018	Total
March 2012 MR Totals									
ARRA	RL-0011.R1	0	0	0	0	0	0	0	0
	RL-0013.R1.1	0	0	0	0	0	0	0	0
	RL-0013.R1.2	0	0	0	0	0	0	0	0
	RL-0030.R1.1	0	0	0	0	0	0	0	0
	RL-0030.R1.2	0	0	0	0	0	0	0	0
	RL-0040.R1.1	0	0	0	0	0	0	0	0
	RL-0040.R1.2	0	0	0	0	0	0	0	0
	RL-0041.R1	0	0	0	0	0	0	0	0
	ARRA Total	0	0	0	0	0	0	0	0
Base	RL-0011	0	0	0	5,500	5,000	10,500	8,100	18,600
	RL-0012	0	0	0	1,600	1,800	3,400	8,952	12,352
	RL-0013	0	0	0	47	400	447	21,687	22,134
	RL-0030	0	0	0	2,353	2,032	4,385	13,639	18,024
	RL-0040	0	0	0	200	200	400	8,257	8,657
	RL-0041	0	0	0	464	1,000	1,464	4,026	5,490
	RL-0042	0	0	0	55	55	110	259	369
	Base Total	0	0	0	10,219	10,487	20,706	64,920	85,625
	MR Total	0	0	0	10,219	10,487	20,706	64,920	85,625
April 2012 MR Changes/Utilization									
ARRA	RL-0011.R1	0	0	0	0	0	0	0	0
	RL-0013.R1.1	0	0	0	0	0	0	0	0
	RL-0013.R1.2	0	0	0	0	0	0	0	0
	RL-0030.R1.1	0	0	0	0	0	0	0	0
	RL-0030.R1.2	0	0	0	0	0	0	0	0
	RL-0040.R1.1	0	0	0	0	0	0	0	0
	RL-0040.R1.2	0	0	0	0	0	0	0	0
	RL-0041.R1	0	0	0	0	0	0	0	0
	ARRA Total	0	0	0	0	0	0	0	0
Base	RL-0011	0	0	0	3,360	-1,817	1,543	2,971	4,514
	RL-0012	0	0	0	-100	700	600	1,549	2,149
	RL-0013	0	0	0	626	-124	502	-3,162	-2,660
	RL-0030	0	0	0	7,739	2,728	10,467	-3,250	7,217
	RL-0040	0	0	0	456	0	456	3,442	3,897
	RL-0041	0	0	0	980	227	1,207	13,989	15,196
	RL-0042	0	0	0	145	145	290	741	1,031
	Base Total	0	0	0	13,206	1,858	15,064	16,280	31,344
	MR Total	0	0	0	13,206	1,858	15,064	16,280	31,344
April 2012 MR Totals									
ARRA	RL-0011.R1	0	0	0	0	0	0	0	0
	RL-0013.R1.1	0	0	0	0	0	0	0	0
	RL-0013.R1.2	0	0	0	0	0	0	0	0
	RL-0030.R1.1	0	0	0	0	0	0	0	0
	RL-0030.R1.2	0	0	0	0	0	0	0	0
	RL-0040.R1.1	0	0	0	0	0	0	0	0
	RL-0040.R1.2	0	0	0	0	0	0	0	0
	RL-0041.R1	0	0	0	0	0	0	0	0
	ARRA Total	0	0	0	0	0	0	0	0
Base	RL-0011	0	0	0	8,860	3,183	12,043	11,071	23,114
	RL-0012	0	0	0	1,500	2,500	4,000	10,501	14,501
	RL-0013	0	0	0	673	276	949	18,525	19,474
	RL-0030	0	0	0	10,092	4,760	14,852	10,389	25,241
	RL-0040	0	0	0	656	200	856	11,699	12,554
	RL-0041	0	0	0	1,444	1,227	2,671	18,015	20,686
	RL-0042	0	0	0	200	200	400	1,000	1,400
	Base Total	0	0	0	23,425	12,345	35,770	81,200	116,969
	MR Total	0	0	0	23,425	12,345	35,770	81,200	116,969

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 -4/30/2012								Planned Subcontracting*	\$2,524,483,195
								Contract-to-date awards	\$1,916,702,407
	ARRA		BASE		Total \$	Total %	Goal	Bal remaining to award =	\$607,780,788
	\$	%	\$	%				Goal award \$	Bal to goal \$
SB	\$376,176,528	53.47%	\$577,972,147	47.64%	\$954,148,674	49.78%	49.30%	\$1,244,570,215	\$290,421,541
SDB	\$78,504,397	11.16%	\$94,859,663	7.82%	\$173,364,060	9.04%	8.20%	\$207,007,622	\$33,643,562
SWOB	\$87,579,840	12.45%	\$102,277,917	8.43%	\$189,857,757	9.91%	7.50%	\$189,336,240	(\$521,517)
HUB	\$22,900,356	3.26%	\$22,657,509	1.87%	\$45,557,866	2.38%	2.20%	\$55,538,630	\$9,980,765
VOSB	\$52,745,388	7.50%	\$58,779,642	4.85%	\$111,525,030	5.82%	3.50%	\$88,356,912	(\$23,168,118)
SDVO	\$13,230,851	1.88%	\$39,409,008	3.25%	\$52,639,859	2.75%	1.30%	\$32,818,282	(\$19,821,577)
NAB	\$17,455,287	2.48%	\$10,725,414	0.88%	\$28,180,700	1.47%	0.00%	* 10-year subcontracting projection	
Large	\$241,211,133	34.29%	\$302,110,464	24.90%	\$543,321,597	28.35%	0.00%		
GOVT	\$126,238	0.02%	\$1,606,522	0.13%	\$1,732,761	0.09%	0.00%	PRC clause H.20 small business (SB) requirement:	
GOVT CONT	\$85,934,251	12.21%	\$328,323,624	27.06%	\$414,257,874	21.61%	0.00%	≥17% of Total Contract Price performed by SB	
EDUC	\$9,526	0.00%	\$109,771	0.01%	\$119,297	0.01%	0.00%	Total Contract Price:	\$5,855,727,595
NONPROFIT	\$39,338	0.01%	\$2,872,318	0.24%	\$2,911,655	0.15%	0.00%	17% requirement:	\$995,473,691
FOREIGN	\$21,173	0.00%	\$185,998	0.02%	\$207,171	0.01%	0.00%	SB Awarded:	\$954,148,674
Total	\$703,518,187		\$1,213,184,220		\$1,916,702,407			Balance to Requirement:	\$41,325,017

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

April 2012
CHPRC-2012-04, 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	3 gloveboxes	165 gloveboxes/hoods
KPP Rooms/Areas Dispositioned	-	53 rooms/areas
Asbestos/ACM Removed	25 feet	16,268 feet
Process Vacuum Piping Removed	179 feet	1,389 feet
Process Transfer Line Removed	-	594 feet
Pencil Tank Units Removed	5	80 pencil tank units
Buildings Ready for Demo	-	32 structures
Buildings Demolished or Relocated	1 structure	31 structures
Non-radioactive Waste Shipped	- m ³	35 m ³
TRU/TRU-M Shipped	34 m ³	895 m ³
LLW/MLLW Shipped	31 m ³	3,594 m ³

There were no lost or restricted workday cases this period.

Removal of plutonium-contaminated process equipment continued as a top priority in readying the PFP Complex for demolition, with a particular focus on removal of gloveboxes and associated piping and ductwork from the process and lab areas. 165 (71 percent) of the gloveboxes have been removed to date. The final section of HC-1 (HC-1B) and glovebox HC-10 were removed and transferred to Solid Waste Operations, along with large glovebox HC-21C. Glovebox HC-21A was successfully separated from the HC-2 conveyor and is currently staged in Room 230B. The project removed 179 feet of highly contaminated process vacuum lines, and an additional 25 feet of asbestos was removed.

Demolition of the buildings in and around the 2736 Vault Complex continued. All six buildings have been demolished. Load out of demolition rubble and site grooming remain to be complete.

Size reduction of the 200 liter pencil tank assemblies was initiated and this work continues ahead of schedule.

Schedules were developed and activities initiated on all three breakthrough initiatives identified in a recent Value Engineering session. All initiatives have the potential to accelerate schedule and reduce cost (life cycle).

Schedule and cost performance continued near plan for the seventh straight month.

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	40%
			Report recommendations to management	07/30/2012	
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	20%
			Evaluate method's ability for source reduction	08/31/2012	

TARGET ZERO PERFORMANCE

	Current Month	Rolling 12 Month	Comment
Days Away, Restricted or Transferred	0	4	N/A
Total Recordable Injuries	0	5	N/A
First Aid Cases	4	72	Base - 4/6/2012 – Employee experienced a fall in the parking lot. No injuries and went to CSC as a precaution. (22724) Base - 4/11/2012 – Employee received an abrasion to their left arm when they hit it on a security key box. (22729) Base - 4/15/2012 – Employee experienced pain in left shoulder. (22737) Base - 4/18/2012 – Employee received laceration to right finger on bucket while unscrewing the lid. (22745)
Near Misses	0	0	N/A



KEY ACCOMPLISHMENTS

ARRA

11.05 Disposition PFP Facility – ARRA

- In Room 235A-2, the stair was removed and the door permanently blocked. In addition, the abandoned capacitor frame work and associated conduit and enclosure were removed from the pit floor.
- In Room 235Z-3, the removal of two 2” process vacuum lines was completed and approximately 50% of the North mezzanine was removed.
- In Room 228A, the conveyor section of HC-1B, glovebox HC-10, and the balance enclosure above HC10 and large support beam for this balance were removed.
- In Room 228B, the D6 drain line was removed and the mechanical isolation of HC-12S was started.
- In Room 228K, the mechanical isolation of glovebox HC-17P and HC-17BB was completed.
- In Room 230A, glovebox HC-21C was removed and staged in Room 170 awaiting completion of the 2736-Z demolition to support a travel route out the South side of 234-5Z.
- In Room 230B, glovebox HC-21A was separated from the conveyor and will be moved to Room 170 once HC-21C is dispositioned.

Base

11.02 Maintain Safe & Compliant PFP - Base

- 291-Z Exhaust Fans
 - Completed HRB for EF-5 repair work activities
 - Initiated field work in preparation for EF-5 weld repairs. The weld surfaces were decontaminated and prepared for inspection.
 - Continued weekly fan vibration and thermal monitoring

11.05 Disposition PFP Facility – Base

Backside Rooms (Rooms 158-172) D&D

- Room 166 GB Mechanical Isolation: completed removal of Distilled Water, 30 and 40 pound air piping
- Room 166 Shield Wall Removal planning effort:
 - Received analytical results for shield wall asbestos and lead content
 - Completed radiological screening for the shield wall removal package.

Disposition PFP (234-5Z) Facility

- Process vacuum piping removal is just over 40 percent complete with 1,389 total feet removed.
- During the month of April, 25 feet of asbestos containing material was removed bringing the total to 16,228 total feet removed.

2736Z/ZB Vault Complex

- Demolition and site demobilization continued on 2736-ZB Complex; which is now 99.5% complete overall.

Plutonium Reclamation Facility (PRF)

- Size reduction of Pencil Tank Assembly 128 was completed and size reduction of Pencil Tank Assembly 18 was initiated.
- Mechanical isolation of the gloveboxes was initiated. The nitric acid line and process water line from Tank 119 was drained and removed.



- Field preparations for the removal of the mechanical service lines around the 3rd floor criticality drain were completed and field work initiated. The fogging header, instrument airlines and steam line were removed.

MAJOR ISSUES




Issue - On August 29, Exhaust Fan #1 in the 291-Z facility catastrophically failed and caused a small fire when a hot bearing made contact with the drive belt.




Corrective Actions - A thorough evaluation of the 291-Z exhaust fans was performed. The evaluation identified additional mechanical issues with most of the remaining exhaust fans. A positive Unreviewed Safety Question (USQ) determination was declared and Evaluation of Safety of the Situation (ESS) was prepared and submitted to RL for approval. The ESS was approved by RL on September 15, 2011 (Letter #11-SED-0165). Normal ventilation fans were restarted and the Terminate Activities condition was exited. Normal D&D activities were authorized to commence. A JCO was submitted to RL via letter CHPRC-1104667 R1 on November 28 as directed by the ESS.















Status - Performance of weld repair activities began April 12, 2012. Upon successful completion of the welding and balancing of Exhaust Fan 5, the installation of switches to shut down the fans on high vibration will begin. The exhaust ventilation system Enhanced Maintenance Program procedures have been completed and will be implemented by mid-June. Approval of the Justification for Continued Operation was received March 27, 2012.



RISK MANAGEMENT STATUS

Unassigned Risk
Risk Passed
New Risk
Change

 Working - No Concerns
 Working - Concern
 Working - Critical

 Increased Confidence
 No Change
 Decreased Confidence

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
RL-011/WBS 011				
PFP-003: More Extensive Cleanout/Decon Required	Develop and implement a detailed process facility characterization plan. Determine and obtain approval for ready-for-demolition criteria (contamination removal/cleanup endpoints prior to building demolition). Early characterization provides an opportunity to avoid project schedule impact; however, cost impacts remain.			The duct level of the 234-5Z building will remain on Airborne Radioactivity Area status pending further evaluation and characterization, which is impacting on staffing requirements for work in this area, and on schedule performance for removal of highly contaminated piping and ductwork. Development of a detailed PFP-wide characterization plan is continuing, and two Radiological Control Technicians were added to support implementation of the plan later in the year. Regular meetings have been initiated 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.			The PRF canyon crane continued to operate as expected in April, and pencil tank disposition continued at an accelerated pace. Work was suspended, pending further investigation, in late April due to two personnel events involving a cracked window in room 41 and a damaged safety plate in a section of the gallery gloveboxes.
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.			Preparations continued for repair of minor cracks observed on the blades of two of PFP’s main exhaust fans. Planning is also underway to increase exhaust flow through the ventilation system to reduce system stresses created by insufficient flow. Minor but recurring problems continue to be experienced with air monitoring equipment and the PRF air sample vacuum system.
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.			A short section of process vacuum piping contained higher than expected material. Planning is underway to further evaluate the disposition path for this section of piping.
PFP-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.			Competition for personnel is increasing from the Office of River Protection, Waste Treatment Project, which is aggressively recruiting for staff experienced in nuclear safety analysis and a few other disciplines. Based on FY13 baseline update guidance projections PFP is initiating workforce restructuring to incorporate into baseline.
PFP-006: Overall D4 Schedule Impacts from Interferences Between Subprojects	Ensure that activity schedules for all subprojects are integrated and are detailed enough to identify and avoid possible conflicts, and maintain coordination between closely related efforts that could overlap or that use the same resources.			Most of the historical interferences between the various subprojects have been resolved.
PFP-064 OPP: Reduced Size Reduction Required Consistent With SLB2 Packaging	Implementation of the use of SLB-2s has been identified as a site wide initiative by CHPRC and RL. A specific plan of action was developed and is being executed to support this opportunity.			This opportunity will continue to be tracked until ongoing efforts to implement miscellaneous debris in SLB2’s are complete, and incorporated into the project baseline.

PRC-020, Weather Delays	As weather impacts operations, workarounds are continually developed to re-schedule work activities.			2736-ZB demolition/loadout continued to experience delays due to high winds for the month of April, extending completion of loadout and site stabilization into early May.
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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	1.7	1.0	2.1	(0.6)	-38.5	(1.1)	-104.3
Base	<u>7.5</u>	<u>8.3</u>	<u>8.2</u>	<u>0.7</u>	9.8	<u>0.1</u>	1.2
Total	9.2	9.3	10.3	0.1	1.1	(1.0)	-10.4

Numbers are rounded to the nearest \$0.1M

ARRA

CM Schedule Variance: (-\$0.6M/-38.5%)

The schedule variance results from RMA/RMC D&D teams unable to effectively work planned shifts due to contamination events, recovery actions, and work documents not released to support planned activities. Baseline schedule durations were predicated on an "enhanced time on tools efficiency" after January 01, 2012, which has not yet been realized.

CM Cost Variance: (-\$1.1M/-104.3%)

The cost variance results from inefficiencies associated with schedule issues and the limited ability to re-assign resources to other projects when events prevent work in assigned areas. Three months of TRU waste disposal cost occurring in the current period also contributes to the variance.

Base

CM Schedule Variance: (+\$0.7M/+9.8%)

The positive current period schedule variance is primarily due to performance earned on ZB Complex demolition activities scheduled to be complete in prior periods and receiving SLB-2 waste containers ahead of schedule.

CM Cost Variance: (+\$0.1M/+1.2%)

The cost variance is within reporting thresholds.

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	286.7	282.3	291.2	(4.4)	-1.5	(8.9)	-3.1	290.9	297.3	(6.4)
Base	<u>198.1</u>	<u>199.6</u>	<u>201.2</u>	<u>1.5</u>	0.7	<u>(1.7)</u>	-0.8	<u>600.7</u>	<u>599.5</u>	<u>1.2</u>
Total	484.8	481.9	492.4	(2.9)	-0.6	(10.5)	-2.2	891.7	896.8	(5.2)

Numbers are rounded to the nearest \$0.1M

ARRA

CTD Schedule Performance: (-\$4.4M/-1.5%)

The schedule variance is within reporting thresholds.

CTD Cost Performance: (-\$8.9M/-3.1%)

The cost variance is within reporting thresholds.

Base

CTD Schedule Variance (+\$1.5M/+0.7%)

The schedule variance is within reporting thresholds.

CTD Cost Variance (-\$1.7M/-0.8%)

The cost variance is within reporting thresholds.

Variance at Completion (-\$5.0M/-0.6%)

The variance at completion is within reporting threshold.

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

Estimate at Completion (EAC)

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

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



FUNDS vs. SPEND FORECAST (\$M)

WBS 011/RL-0011 Nuclear Matl Stab & Disp PFP	FY2012		
	Projected Funding	Spending Forecast	Spend Variance
ARRA	33.4	33.4	0.0
Base	99.4	91.0	8.4
RL-0011 Total	132.8	128.7	8.4

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-PRC-12-015R1 - *Contract Modification 220*

MILESTONE STATUS

None at this time.

SELF-PERFORMED WORK

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

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

None identified at this time.

Section B

Spent Nuclear Fuel Stabilization and Disposition (RL-0012)



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

**April 2012
CHPRC-2012-04, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1**

PROJECT SUMMARY

On 03/29/12, the Cold Vacuum Drying Facility implemented the changes to the Documented Safety Analysis/Technical Safety Requirements (DSA/TSR) that are required to process KOP material and has released the revised safety basis.

Two shipments of copper inserts arrived at the Hanford Site this month and were processed through receipt inspection. These safety significant OCRWM components are critical to preparing for the KOP Processing System (KPS) readiness review in early May. The combined total of 78 inserts will be sufficient to fulfill the anticipated KPS project need.

CHPRC personnel continued working the implementation plan for the 105KW Basin Safety Basis. The updated procedures and updated Safety Basis were issued toward the end of calendar April.

Final Design of the ECRTS Process Equipment continued this month as planned. Drawings were finalized and provided to Engineering and Drafting staff for checking. Comments will be incorporated into the drawings between late April and early May.

The Award Recommendation Report for the Annex Construction Contract was approved earlier this month. The Consent package for Building of the New Annex was also completed and approved by CHPRC. DOE initiated their review of the Consent Package on 4/2/12 and will complete it on 5/1/12.

Candidates for the Annex construction contract were notified that CHPRC recommended to DOE that FE&C be selected as the Annex construction contractor.

All ECRTS Modified KW Annex Final Design Review Comment Records (RCRs) were resolved and closed.

The Modified KW Annex design team (AREVA and CHPRC) stamped and signed the Issued-For-Construction (IFC) drawings for the Annex. All drawings have been signed.

Work was initiated on both the construction and administration sites to support the KW Annex construction. Ground was broken, civil site preparation and installation of underground electrical utilities was conducted for construction contractor, project management, engineering, and document control personnel.

One of the challenges of the administration site is the disposal of existing spoils which are full of large rocks and boulders. The material is not suitable for backfill without considerable time spent screening the material. The determination has been made to load the soils into ERDF cans.

The CVDF Final Safety Analysis Report and the Technical Safety Requirements documents were updated and the changes implemented in procedures to reflect: 1) the new dryness criteria for found fuel and 2) the RL directed Emergency Preparedness Specific Administration Control (SAC) for control of the Columbia River during specific emergency conditions. In addition, the pre-start items needed to process the first Found Fuel MCO starting 4/16/12 were completed.

DOE issued a Safety Evaluation Report (SER) and contract letter on 03/30/12 that approves the Evaluation of Safety of the Situation (ESS) associated with the PISA and USQ related to the CVDF proof of dryness test. The proof of dryness test is used to demonstrate that MCOs contain less than 200 grams of free water prior to shipment to CSB. The ESS and SER conclude that the temporary restriction on shipment of MCO's from CVDF to the Canister Storage Building can be removed. This completes all actions associated with this PISA/USQ.

Laboratory-scale testing with settler sludge to evaluate effects of increasing flocculent concentration from 1 ppm to 4 ppm (PNNL-21261, Assessment of Increased Clarifloc N-3300P Polymer Concentration During Treat and Transfer Testing using 2.8 wt% SCS-CON-230 Sludge) was completed. The laboratory-scale testing mimicked the planned sludge retrieval / transfer into an STSC and subsequent recirculation of supernatant using the decant system. No adverse effects were observed.

Characterization report PRC-STP-00523 "Validation and Assessment for Characterization Data from Engineered Container SCS-CON-230," was approved by STP and Environmental Quality Assurance (EQA). This report is an STP review of the detailed radiochemical, chemical, and physical characterization data supplied by PNNL and K-Basin for the settler tube sludge. The data are compared to the original Data Quality Objectives, statistical assessments are made vs. previous characterization data, and uncertainty estimates are provided.

Characterization report PRC-STP-00561 "Validation of Settling Data from Sludge in Container SCS-CON-230," was approved by STP and EQA. This report is an STP assessment of the settling rates determined by PNNL for sludge from the settler tubes and a comparison of the data to similar information from the current STP settler sludge simulant.

The Phase 2 Treatment and Packaging Siting study is progressing. A workshop was held with a number of facility representatives from CHPRC, MSA, and PNNL. The siting evaluation process for existing facilities was reviewed and the needed facility background data was discussed.

The Draft Siting Study Decision Plan was received from the subcontractor. A CHPRC internal review was held, followed by a comment resolution meeting to resolve outstanding questions for the authors. A more complete draft was provided to RL for informal review, discussions and comments. The Decision Plan identifies the listing of Hanford Nuclear facilities which are going to be screened, the screening criteria to be used to select the few facilities to be evaluated in more detail, and the evaluation process.

TARGET ZERO PERFORMANCE

	CM Quantity	Rolling 12 Month	Comment
Days Away, Restricted or Transferred	1	1	4/16/2012 – Worker was aiding in installing a new containment floor for an MCO (play pen). Following initial install an adjustment was made to the containment flooring resulting in an employee overexerting himself. This overexertion resulted in a sprain to the middle back. (22739)
Total Recordable Injuries	1	1	Listed above.
First Aid Cases	6	30	4/3/2012 – Employee slipped walking up stairs and landed on right knee causing contusion. (22721) 4/11/2012 – Employee slipped stepping into gravel causing a sprain to left knee. (22746) 4/17/2012 – Employee sprained right shoulder during cleanup activities. (22749) 4/18/2012 – Employee was relocating materials and slipped, spraining shoulder. (22747) 4/18/2012 – Employee was relocating materials and slipped, spraining wrist. (22748) 4/24/2012 – Employee twisted knee climbing. (22750)
Near-Misses	0	0	N/A



KEY ACCOMPLISHMENTS

- Representatives from 100K Operations, Construction Forces, and the STP Project completed the Construction Completion Document walkdown of the KPS hardware installation and associated grating panel installation on 04/19/12. All punchlist items have now been successfully resolved. This significant accomplishment completes Performance Measurement 12-02.1c.2, "Complete Equipment Installation in the Basin."
- The found fuel MCO was closed and lifted from the KW basin on Sunday 4/15/12, and shipped to the Cold Vacuum Drying Facility the next day, Monday 4/16/12, where drying operations began the same day. The MCO was shipped to the Canister Storage Building (CSB) on Monday 4/23/12.
- The Phase 2 Preliminary Technology Maturation Plan (PTMP) was issued on 03/29/12. It forms the technical basis for establishing additional interim milestones in 2013 and 2014 as required by TPA Milestone M-016-171. CHRPC provided to RL the additional supporting information needed to finalize the TPA Change package. DOE submitted the Draft Change Request and the required technical reports to the EPA on 03/28/12, completing TPA Milestone M-016-171.

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.			No issues at this time. The physical properties of the material will not be the driver to cause a required change out. Due to normal operation of the IWTS a change out may be required sometime during the KOP material processing, this activity would result in an up to one week delay in the current schedule.
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.			No issues at this time. MLS/CLS Gantry and the 32 Ton KW crane PMs due in June & August.
STP-054: KOP Startup	Initiate startup/readiness activities to minimize impacts.			Found Fuel Complete – Initiating startup activities for KOP processing. No change in trend over past month. However, several risks may be triggered by KOP Startup activities.
STP-ANX-002: Ecological/Cultural Conditions Restrict Field Activities	Accelerate cultural resource review to minimize schedule impact of cultural resource mitigation is required prior to initiating Annex Construction.			Cultural resource review initiated. No issues.
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.			Found Fuel processing complete. Initiating KOP startup activities. 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.			Based on FY-13 funding projections, CHPRC is initiating a workforce restructuring act.
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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	5.5	4.9	6.2	(0.6)	-10.5	(1.3)	-26.2

Numbers are rounded to the nearest \$0.1M

CM Schedule Performance (-\$0.6M/-10.5%)

The negative schedule variance is due to containerized sludge activities ahead of schedule in previous periods and realizing BCWS in the current period, K West fuel processing delays impacting the KOP Project construction testing and readiness activities.

CM Cost Performance (-\$1.3M/-26.2%)

Fuel packaging operations took longer than planned due to additional debris in the containers requiring more resource time to complete and the cost to install trailers to support ECRTS Construction have been greater than expected.

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	294.6	293.4	296.0	(1.1)	-0.4	(2.5)	-0.9	532.2	534.7	-2.4

Numbers are rounded to the nearest \$0.1M

CTD Schedule Performance (-\$1.1M/-0.4%)

The primary schedule variance is in the KOP Project with delays to the start of packaging driven by the delays in found fuel packaging and safety documentation to support startup activities.

CTD Cost Performance (-\$2.5M/-0.9%)

The CTD cost variance is primarily the result of work completed for KE Basin Deactivation costing more than budgeted and Fuel Free work exceeding budget due to additional costs to sort out all the debris in the final fuel containers and additional schedule being used for readiness activities.

Contract Performance Report Formats are provided in Appendix A.

Estimate at Completion (EAC)

The current EAC change is within reporting thresholds.

FUNDS vs. SPEND FORECAST (\$M)

RL-0012 Spent Nuclear Fuel Stabilization and Disposition	FY2012		
	Projected Funding	Spending Forecast	Spend Variance
Base	87.5	86.0	1.5

Numbers are rounded to the nearest \$0.1M.

Funds/Variance Analysis

The spend variance to funding reflects forecasted efficiencies achieved by the project team.

Critical Path Schedule

Critical Path Analysis can be provided upon request.

Baseline Change Requests

BCR-PRC-12-015R1 - *Contract Modification 220*

BCRA-PRC-12-014R0 - *Decommissioning, Waste, Fuels and Remediation Services - FOC Changes*

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 105-KW Fuel Storage Basin	TPA	9/30/12		9/30/12	Project is progressing.

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)

April 2012
CHPRC-2012-04, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

PROJECT SUMMARY

American Recovery and Reinvestment Act (ARRA)

Project layup activities were completed.

Base

The W&FMP continued maintaining facilities in a safe and compliant condition. Waste Receiving and Processing Facility (WRAP) continued final repacking operations of nine drums. T Plant completed the three month combustible surveillance, by Facility and Fire Protection Engineer. T Plant also completed one year calibration on the Atmosphere Clean-up Train (ACT) 1 & 2 High-efficiency Particulate Air (HEPA) filter system of 2706T facilities. Central Waste Complex (CWC) and Low Level Burial Ground (LLBG) received nine shipments consisting of 67 Transuranic mixed-waste packages totaling 61.7 cubic meters from the Plutonium Finishing Plant, 209E (via Perma-Fix Northwest (PFNW)), and Washington Closure Hanford (via PFNW). Liquid Effluent Facilities (LEF) received 13 tankers (calendar year [CY] 60k gallons). 200A Treated Effluent Disposal Facility (TEDF) discharged 1.7 million gallons (CY 5.1M). Liquid Effluent Retention Facility (LERF) Basin 44 received 189k gallons of ERDF leachate (CY 841k). Canister Storage Building (CSB) loaded cold multi-canister overpack (MCO) H-170 into cask and staged for shipment to K Basin. Waste Encapsulation and Storage Facility (WESF) relocated 182 capsules out of 998 (521 to date) as part of thermal balancing the capsule inventory in the pool cells.

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 FY12 work scope.	9/30/2012	50% complete, plans to address in July 2012.

TARGET ZERO PERFORMANCE

	CM Quantity	Rolling 12 Month	Comment
Days Away, Restricted or Transferred	0	4	N/A
Total Recordable Injuries	0	10	N/A
First Aid Cases	1	63	4/12/2012 - Employee was crossing RBA chain and rolled ankle. Body part affected: ankle. (22732)
Near Misses	0	1	N/A

KEY ACCOMPLISHMENTS

ARRA

Lay-Up Activities

- No American Recovery and Reinvestment Act (ARRA) funded M/LLW was received during April 2012, final returns due in May.

Base

13.01 Project Management

- Continued Project Management support for high priority projects.
- Completed Business Case Analysis for deinventory of Cat I nuclear material from the Hanford Site in support of reducing site security costs.

13.02 Capsule Storage & Disposition

- Completed 182 of 998 scheduled capsule moves (521 to date)
- Completed annual calibrations and tests on the following:
 - Record sampler/beta monitor
 - Beta stack flow instrument
 - Beta stack continuous air monitor
 - Radiation indicating transmitter (RIT) and radiation element (RE) (tested and returned to service)
 - Generator 225BG load test
 - Pool cell sump leak detectors
 - Differential pressure (DP) transmitter K1-3/K1-4 and DP indicator (DPI) K1 filter
 - K3 exhaust duct DP recorder
 - DPI K2-12
- Completed repair/replacement on the following deficiency equipment and components:
 - Area Radiation Monitor #1
 - K2 bag filter door latch
 - Air Compressor #5 relief valve
 - K3-7-1 belts and sheaves; fan placed in service
 - DPI Recorder-4W chart drive
- Completed summerization activities

13.03 Canister Storage Building (CSB)

- Received legacy fuel multi-canister overpack (MCO) from Cold Vacuum Drying Facility (CVDF)
- Completed annual inspection of the heating, ventilation and air conditioning (HVAC) service area and operating area duct heater
- Completed 6 month MCO Handling Machine (MHM) high efficiency particulate (HVAC) air filter aerosol testing
- Loaded cold MCO H-170 into cask and staged for shipment to K Basins
- Implemented *Evaluation of Safety of the Situation* related to CVDF proof of dryness test
- Completed quarterly stack monitoring inspections

WRAP

- Completed one Technical Safety Requirement (TSRs) surveillances
- Completed 14 Preventive Maintenance (PMs) packages
- Completed 129 Rad Operational Surveillances
- Completed 155 Operational Surveillances
- Shipped one low-level waste package to the Environmental Restoration Disposal Facility (ERDF)

13.07 T-Plant

- Completed nine Technical Safety Requirement (TSRs) surveillances
- Completed 28 Preventive Maintenance (PMs) packages
- Completed 290 Rad Operational Surveillances
- Completed 196 Operational Surveillances

13.09 Central Waste Complex (CWC)

- Completed seven Technical Safety Requirement (TSRs) surveillances
- Completed 21 Preventive Maintenance (PMs) packages
- Completed 178 Rad Operational Surveillances
- Completed 63 Operational Surveillances
- Commenced carport assembly to cover Box 231ZDR-11
- Commenced moving 7 boxes near 231ZD-11 in order to remediate radiological contaminated soil

13.11 Liquid Effluent Facilities (LEF)

- Received 13 tankers (calendar year [CY] 60k gallons)
- Treated effluent to State-Approved Land Disposal Site: 3.3M gallons (CY 5.1M)
- 200A Treated Effluent Disposal Facility (TEDF) discharged 1.7M gallons (CY 5.1M)
- Received Environmental Restoration Disposal Facility (ERDF) leachate (189k gallons) at Liquid Effluent Retention Facility (LERF) Basin 44 (CY 814k)
- Continued operating the 310 Retention Transfer System (RTS): CY 67k gallons
- Completed cleaning of residual powder off Thin Film Dryer lift table lower assembly
- Received and unloaded tanker of 50% sodium hydroxide
- Unloaded 1,000 gallons of 93% sulfuric acid
- Maintenance activities:
 - Repaired 4% sodium hydroxide line to the secondary waste retrieval tank
 - Completed annual Drum Handling System inside airlock preventive maintenance (PM)
 - Completed Air Handling Units EVU-8, 9, and 10 repairs and annual PM
 - Completed annual Department of Transportation inspections for 3 Polar and 2 Beall tankers
 - Repaired Sump Tank #1 check valve 20B-001
 - Replaced heater on ModuTank backflow preventer enclosure

13.12 Integrated Disposal Facility

- Completed 12 Preventive Maintenance (PMs) packages
- Completed 18 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 22 Radiological and four operational surveillances.

Received 6 shipments consisting of 10 M/LLW packages totaling 31.4 cubic meters from PFNW and originated from Washington River Protection Solutions (WRPS), Pacific Northwest National Laboratory (PNNL) and CH2M Hill Plateau Remediation Company (CHPRC) waste generators

MAJOR ISSUES















At CWC an employee issued a stop work on the operation of the local fan disconnects on all of the 2402 series buildings due to disconnects being clogged with sand and dirt. Completed replacement/cleaning of disconnects on 13 buildings April 26, 2012. Stop work was lifted with concurrence of employee.





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.
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 FY-13 funding projections, CHPRC is initiating a workforce restructuring act.

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	0.0	0.0	0.0%	(0.0)	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>0.1</u>	<u>0.0</u>	0.0%	<u>(0.1)</u>	0.0%
ARRA Total	0.0	0.0	0.1	0.0	0.0%	(0.1)	0.0%
Base	<u>6.6</u>	<u>6.9</u>	<u>5.9</u>	<u>0.3</u>	4.0%	<u>1.0</u>	14.5%
Total	6.6	6.9	6.0	0.3	4.0%	0.9	13.4%

Numbers are rounded to the nearest \$0.1M

ARRA

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

RL-0013 MLLW Treatment / RL-0013 TRU Waste/ RL-0013 TRU Waste Facility Transition to Min Safe
The schedule variance is within threshold.

CM Cost Performance (-\$0.1M/-0.0%)

RL-0013 MLLW Treatment / RL-0013 TRU Waste/ RL-0013 TRU Waste Facility Transition to Min Safe
The unfavorable cost variance is within threshold.

Base

CM Schedule Performance (+\$0.3M/+4.0%)

The favorable current period schedule variance is within threshold.

CM Cost Performance (+\$1.0M/+14.5%)

The favorable cost variance is primarily due to a contract accrual reversal (Retrieval contract claim was rejected), inventory adjustments, and schedule recovery in ETF without commensurate use of resources.



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	47.7	47.7	42.7	(8.4)	(0.0)%	5.0	10.5%
TRU Waste	255.3	255.3	253.6	(0.0)	(0.0)%	1.7	0.7%
TRU Wst Facil Tran MinSafe	<u>1.5</u>	<u>1.5</u>	<u>1.4</u>	<u>0.0</u>	0.0%	<u>0.1</u>	7.0%
ARRA Total	304.5	304.5	297.7	(8.4)	(0.0)%	6.8	2.2%
Base	<u>360.2</u>	<u>359.6</u>	<u>364.9</u>	<u>(0.6)</u>	(0.2)%	<u>(5.3)</u>	(1.5)%
Total	664.7	664.2	662.8	(0.6)	(0.1)%	1.5	0.2%

Numbers are rounded to the nearest \$0.1M

ARRA

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

RL-0013 MLLW Treatment – The negative CTD schedule variance is within threshold.

CTD Cost Performance (+\$6.8M/+2.2%)

The positive cost variance due to efficiencies in Transuranic Waste (TRU) Characterization and Shipping, TRU Repackaging, T Plant and Waste Receiving and Processing Facility (WRAP), Mixed Low Level Waste (MLLW) efficiencies created by treating waste at Energy Solutions (ES) - Clive rather than planned treatment at Perma-Fix Northwest (PFNW) due to a waiver received from the Department of Energy (DOE), Environmental Restoration Disposal Facility (ERDF) negotiated rate reduction with vendor for waste containers, partially offset by increased materials and labor costs in support of the Trench Face Retrieval and Characterization System (TFRCS), and increased resources for TRU Retrieval deteriorated waste containers, increased allocations for additional office space and other assessments as a result of allocations to Recovery Act expenditures.

Base

CTD Schedule Performance (-\$0.6M/-0.2%)

The negative CTD schedule variance is within threshold and is due to Canister Storage Building (CSB) and Effluent Treatment Facility (ETF) activities delayed due to resource availability (assigned to higher priority activities).

CTD Cost Performance (-\$5.3M/-1.5%)

The unfavorable CTD cost variance is the result of MSA assessments above plan, TRU Retrieval additional resources to deal with FY09 deteriorated containers and drum wedge issue, FY09 WRAP facility increased levels of corrective and preventive maintenance activities as a result of repack operations, increased labor and subcontractors support for Transportation and Packaging; partially offset by efficiencies in Liquid Effluent Facility (LEF), MLLW, TRU Disposition, TRU Repackaging, Interim Storage Area upgrades, Capsule Storage and Disposition, MWDT and lower G&A allocations.

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

Estimate at Completion (EAC)

The BAC and EAC include FY2009 through FY2018.

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

FUNDS vs. SPEND FORECAST (\$M)

WBS 013/RL-0013 Waste and Fuels Management Project	FY2012		
	Projected Funding	Spending Forecast	Spend Variance
ARRA	4.6	4.6	0.0
Base	88.3	84.3	4.0
RL-0013 Total	92.9	88.9	4.0

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-PRC-12-001R1 – *Contract Modification 220*

BCRA-PRC-12-014R0 - *Decommissioning, Waste, Fuels and Remediation Services - FOC Changes*

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-091-03F	Submit Annual Revision of TRUM and MLLW PMP to Ecology	TPA	6/30/12			On schedule
M-091-40U-T01	Retrieve a minimum of 250 cubic meters of CH RSW in FY 2012	TPA	9/30/12			To be missed. Activity currently not funded. Ltr in draft to DOE-RL.
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. Ltr in draft to DOE-RL.
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			Ahead of 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

April 2012
CHPRC-2012-04, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

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

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

PROJECT SUMMARY

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

- Collected 977 samples, resulting in 2,798 analyses.
- 11.7M gallons groundwater treated by ZP-1 treatment facility
- 18.2M gallons groundwater treated by KX treatment facility
- 8.5M gallons groundwater treated by KW treatment facility
- 6.7M gallons groundwater treated by KR-4 treatment facility
- 30.8M gallons groundwater treated by HX treatment facility
- 23.5M gallons groundwater treated by DX treatment facility
- .80M gallon groundwater treated by TX/TY well pumps
- 100.2M 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	On Schedule
		Review and tally total number of gallons treated	Monthly	689.9M Gallons through 4/30/12

TARGET ZERO PERFORMANCE

	CM Quantity	Rolling 12 Month	Comment
Days Away, Restricted or Transferred	0	0	N/A
Total Recordable Injuries	0	5	N/A
First Aid Cases	1	66	4/10/2012 – Pipefitter was splashed in eye with drop of Sodium Nitrate. Employee removed PPE to clear fog, bumped hose, causing it to flip and splash a drop in left eye. Employee was returned to work after flushing eye and taken to CSC. (22726) (EPC)
Near-Misses	0	1	N/A

KEY ACCOMPLISHMENTS

Base - RL-0030.C1 –GW Remedy Implementation

Engineering Projects and Construction (EPC) Projects in Support of Soil and Groundwater Remediation Project (S&GRP) - Base

- 200WP&T: Continued Construction Acceptance Test (CAT) Procedures (33 of 33 complete) as of April 24, 2012. Acceptance Test Procedures (ATPs) (15 of 23 complete) on schedule. Preparation for the Integrated Acceptance Test Procedure (IATP) started on April 30, 2012 with readiness assessment starting on April 17, 2012.

Base - RL-0030.01 RL 30 Operations

Strategic Integration

- Remediation Optimization Study: Completed the development of the optimization schedule and sensitivity analysis. The schedule was reviewed with RL representatives and comments were incorporated.

Environmental Databases

- Support for Stakeholders for Verification Sampling Results and Well Documents: Modified the External Dashboard Application that provide stakeholder access to environmental data that supports Cleanup Verification Packages (CVPs) and to well documents.
- Groundwater Managed Schedule: Modified software and databases used by management to track in a consistent fashion when and why sampling events are cancelled, give the user the option to make global event changes to groups of events, and make the interface significantly easier to use, saving time and adding accuracy to the data management process.

Technical Integration

- 100 Area RI/FS Support: Coordinated and conducted a field walkdown of coal ash locations with risk assessment and environmental science staff, for the purpose of evaluating the use of field



observations to document the plant/animal communities at such locations.

- Remediation Design Support – Completed issue of several reports:
 - SGW-52160, Landstreamer and Gimbaled Geophones Phase II -200 Areas: A High-resolution Seismic Reflection Survey at the Hanford Site.
 - SGW-52161, Resistivity and Electromagnetic Investigation at the LERF, 200 East Area of the Hanford Site, Richland, Washington.
 - SGW-52162, Seismic Reflection Investigation at the LERF Project Site in Richland, Washington.
 - SGW 48478, Rev. 1, Interpretation and Integration of Seismic Data in the Gable Gap.

Central Plateau

200-BP-5 Operable Unit – Base

- Treatability test construction was completed and layed up. Test performance delayed to post FY2012. The Operating Procedure was approved and the system is ready to operate when funding becomes available.

200-UP-1 Operable Unit – Base

- Construction and Acceptance Test Procedure (ATP) of the Waste Management Area (WMA) S-SX extraction system was completed, except for final pipeline connects to the 200 West Treatment Facility and the well racks. The final connections were initiated in late April.
- After receiving the latest EPA comments on the Draft Rev 0 Remedial Investigation/Feasibility Study (RI/FS), and completing a series of comment resolution meetings were held with EPA the last week of February and early March, the revisions were completed for the RI/FS report. The Draft Rev 0 RI/FS report was provided to RL and the Regulators in April.

200-ZP-1 Operable Unit - Base

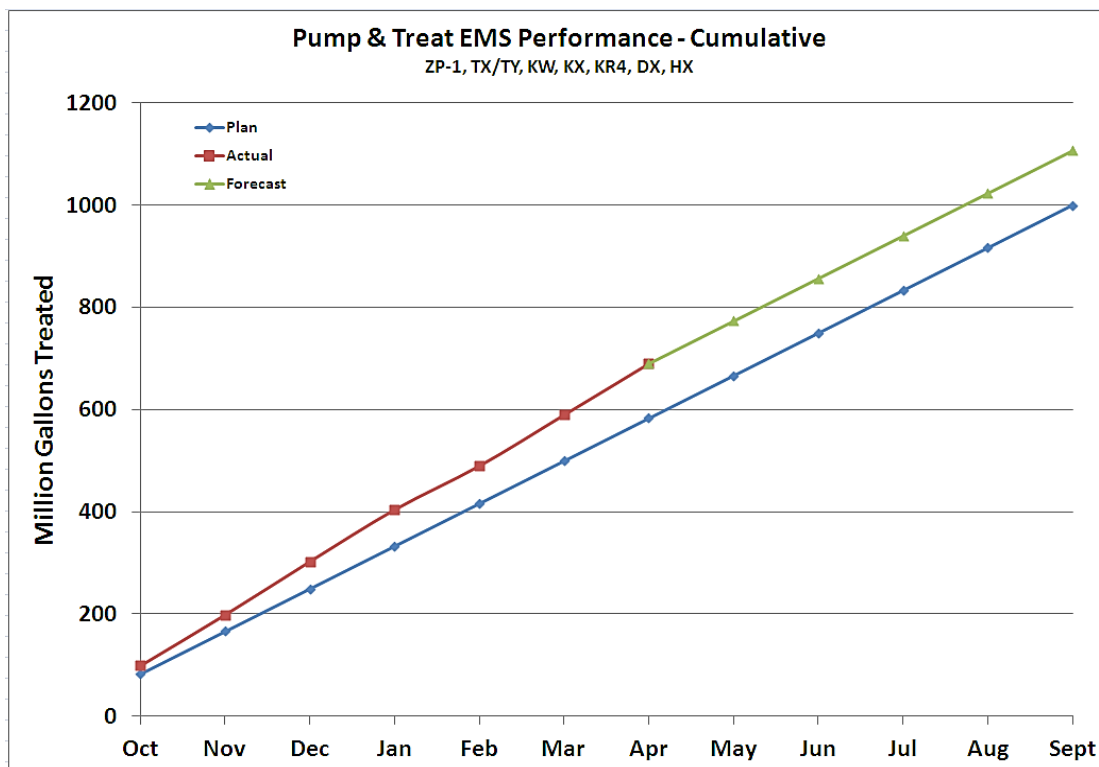
- Identified final list of existing groundwater monitoring wells to be included as part of the water level monitoring network for the 200 West P&T system. Water level monitoring equipment is currently being installed.
- Interim injection wells are in the process of being hooked up to the 200 West P&T system.

200-DV-1 Operable Unit – Base

- Restarted the B Area perched water removal system on April 11, 2012. The system was shut down on April 25, 2012 due to the significant amount of algae generation in the on-site holding tank. The system is expected to be restarted in mid-May.

Pump and Treat Operations - Base

- P&T Operations is trending ahead of the goal of reaching one billion gallons of treated contaminated groundwater in FY2012.



MAJOR ISSUES

Issue - The number of comments on CERCLA document comments 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”.

Corrective Action -

- Maintain list of policy and technical decisions that remain open and have been resolved
- Development of detailed Field Execution Schedules
- Engagement of Assistant Manager for Central Plateau (AMCP) Management for technical decisions
- Identified additional resources necessary to meet schedule
- Partnering sessions between RL and CHPRC

Status - AMCP Management is working with the Regulators to determine the appropriate path forward on policy level decisions. Additional resources have been obtained and are fully engaged in the completion of the CERCLA documents.

Issue - The 200 West Groundwater Treatment Facility Project has experienced an increase in several work activities due to realization of risks previously established, resulting in an increased Estimate to Complete (ETC) and therefore an increased Variance at Completion (VAC). The changes in work activities have cost and schedule impacts beyond the cost of the mitigating action itself and in some cases compounding effects (e.g., changes in work activities caused delay to construction completion, which in turn results in weather issues during testing that were not previously expected). Another common cost

impact is retaining staff beyond the project's ramp down/closeout plan to manage work that was delayed. The impacts occur in the following areas:

- Equipment Impacts due to Weather
- Well capacity
- Fiber Optic Cable in place of wireless
- Touch-up Painting/Trade Damage
- Sludge Stabilization System (Lime)
- Programming Support/ Integration of Package Software Systems
- Tank Repairs
- Piping Supports/Repairs
- Procedure/As-Building Development
- MBR Recirculation Loop & Chemical Skid Modifications

Corrective Action - The project will continue to work with Soil & Groundwater Operations to work the funding issues by:

- Re-evaluate cost savings efforts across the project
- Evaluate viability of Credits and Back Charges against subcontractors who own some of the responsibilities.
- Work was stopped on three projects on April 9, 2012.
 - DVZ Treatability Test
 - BP-5 Treatability Test
 - BY Cribs

Status - Funds issues remain to be resolved within the project and the overall Project Baseline Summary.

RISK MANAGEMENT STATUS

Unassigned Risk

Risk Passed

New Risk

Change



Working - No Concerns



Working - Concern



Working - Critical



Increased Confidence















No Change









Decreased Confidence

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
RL-030/WBS 030				
SGW-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)	<div></div>	<div></div>	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)	<div></div>	<div></div>	EPA concurred that need for pump and treat will be evaluated as part of RI/FS process; The draft feasibility study indicates a treatment system may be required as part of a final action under the future Record of Decision.
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 a RFP	<div></div>	<div></div>	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.
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.	<div></div>	<div></div>	Based on FY-13 funding projections, CHPRC is initiating a workforce restructuring act.
SGW-008A: Significant Regulatory Comments - 100-KR-4	Routine meetings are already held with the regulators and RL during document development. No additional mitigation is feasible. Risk is accepted.	<div></div>	<div></div>	EPA’s policy related comments have been addressed within 100-K; RL has had a few meetings with EPA regarding these items, with the latest on May 7, 2012. The Remedy Review Board initial feedback is that there are no significant issues with Alternative 3 as the preferred remedy. Potential additional impacts due to EPA questions regarding sampling of UPR-100K-1, 116-KE-3 and 116-KE-1 specifically related to Sr-90 and C-14 as groundwater protection concerns.
SGW-008B: Regulatory Document Comments for 100-HR-3	Routine meetings are being held with regulators during document development; no additional mitigation is feasible.	<div></div>	<div></div>	DOE completed their review and set expectations regarding the inclusion of relevant 100-K EPA comment resolutions. Routine monthly meetings with Ecology initiated in March and will continue through document development.
SGW-008D: Regulatory Document Comments - 100-NR-2	Coordinating with RL to conduct routine meetings with Ecology during document development. No additional mitigation is feasible at this time. Risk is accepted with monitoring.	<div></div>	<div></div>	Routine meetings with Ecology began late March and will continue through document development.
SGW-008J: Regulatory Document Comments - 300-FF-5	Routine meetings were held with the regulators and RL during document development. Additional meetings are being held during document review. No additional mitigation is feasible. Risk is accepted.	<div></div>	<div></div>	Final EPA comments were received in February resulting in several meetings to resolve. Significant effort is underway to revise the RI/FS & PP to incorporate the changes in the documents. No changes in risk until EPA’s concurrence on the revised documents are received.



Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
RL-030/WBS 030				
SGW-017: Groundwater Flow Less Than Planned -200 West P&T	Well installation was accelerated to provide more definitive basis for well production rates. Since it was determined that additional wells would be required to meet 2000 gpm, 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). If performance of facility is unacceptable during testing or startup of operations, new wells may be required to meet ROD requirements. Interim injection wells are being hooked up at this time for additional injection capacity.			Modifications performed at ITB #2. Additional modifications may be required at other ITB #1. This issue will be addressed through acceptance testing process.
SGW-031A: P&T Design Changes - 200 West	Identify required design changes early in the process to minimize schedule impact. Work closely with the client and regulators to minimize impact to schedule. Incorporate design changes quickly to minimize cost impacts and avoid rework. Supplement Eng/QA/QC support and contracts for special inspection so as to finalize engineering requirements.			As readiness continues, additional design modifications may be requested to facilitate turnover of facility (e.g. fiber optic cable).
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.			WCH is gathering data in and along the river. This data could result in the need to install additional characterization wells in the River Corridor operable units. Information and conclusions from WCH risk assessments is raising questions regarding the Riparian Zone and Columbia River component human health risk assessment.
SGW-086: 200 W P&T Startup	Operations and engineering input has been obtained on the operating system controls to standardize the controls to those used for other pump and treat systems to the extent possible. Corporate design team and technologists experienced in bioremediation have been deployed to support the design effort and system startup. Resident engineer from corporate will also be supplied to support startup and testing of the new process equipment. Initiate preparation of CAT/ATP/OTP early. Early integration with contractors for incremental testing (e.g. isolate transfer buildings for a more efficient CAT/ATP). Notify vendors of necessary reconfigurations as early as possible so as to minimize schedule and cost impact.			Integration of FBR/MBR during startup is a unique process and challenges are current being experienced. Design changes are required to cease the movement of carbon media downstream.
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.			Overtime is utilized to keep scope on schedule for readiness/turnover. As preventative maintenance packages proceed through the development process, staffing levels will be evaluated to ensure continuous P&T operation.
SGW-098: 200-W P&T - Schedule Impacts Due to Scope Increases	As these issues are identified, they will be listed with other emerging issues. At this point, further mitigation tactics will be determined.			Cost impacts continue as emergent work is identified and to meet targeted turnover date.

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
RL-030/WBS 030				
SGW-119: Integration of Lime system Vendor Package Equipment into Facility Construction	Send representatives to fabrication facilities to inspect processes. PRC is actively managing subcontractors by holding schedule accountability meetings twice per week. Project will retrofit as required to facilitate progress.			Final integration of instruments and software will continue until ATP/IATP is complete (i.e. profibus connections, analytical, instruments).
SGW-121: 200 West P&T Work - Software Development & Verification/Validation	Monitor progress of software development and apply additional resources as necessary. Visit vendors or coordinate vendors' visits to the site as necessary to facilitate integration testing.			Primary difficulty is experienced while integrating the vendors' package system controls (e.g. Lime, Odor Control) with CHPRC's SCADA system. Probability of occurrence remains until system is fully operational.
SGW-131: 200 W P&T - Readiness Review and Turnover	Project strategy has been to include design authority resources early in development of processes/design. Once issues are identified, expedite design changes to support startup.			Turnover requires a more rigorous approach to readiness prior to turnover that is different than the commercial type of approach in the baseline. Cost and schedule impacts are realized as IATP strategy has changed.

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	3.6	2.4	3.4	(1.2)	-34.6	(1.1)	-45.3
ARRA RL-0030.R1.1 Cleanup Operations	0.0	0.0	0.1	0.0	0.0	(0.1)	0.0
ARRA RL-0030.R1.2 Well Drilling Operations	0.0	0.0	(0.0)	0.0	0.0	0.0	0.0
Subtotal RL-0030.C	3.6	2.4	3.5	(1.2)	-34.6	(1.1)	-48.9
Base RL-0030.O1 RL 30 (Operations)	6.6	5.8	5.5	(0.7)	-10.9	0.4	6.3
ARRA RL-0030.R1.3 Support Operations	0.0	0.0	0.0	0.0	0.0	(0.0)	0.0
Total	10.2	8.2	9.0	(2.0)	-19.3	(0.8)	-9.6

Numbers are rounded to the nearest \$0.1M.

CM Schedule Performance

Current month schedule variances that exceed thresholds are as follows:

RL-0030.C (-\$1.2M/-34.6%)

Base RL-0030.C1 GW Remedy Implementation (-\$1.2M)

200 ZP-1 Operable Unit (-\$1.2M)

The negative variance for the current period is the result of realized BCWS for work completed in previous months.

ARRA RL-0030.R1.1 Cleanup Operations (+\$0.0M)

There is no current month schedule variance.

ARRA RL-0030.R1.2 Well Drilling Operations (+\$0.0M)

There is no current month schedule variance.



RL-0030.O1**Base RL-0030.O1 RL 30 (Operations) (-\$0.7M)**200 ZP-1 Operable Unit (-\$0.6M)

Delays in completion of the ATP activities for the 200 West Pump and Treat have resulted in delays in the follow on operations of the new P&T system. ATP is to be completed in June and P&T operations will begin with no lasting impact.

RL-0030.R1.3**ARRA RL-0030.R1.3 Support Operations (+\$0.0M)**

There is no current month schedule variance.

CM Cost Performance

Current month cost variances that exceed thresholds are as follows:

RL-0030.C (-\$1.1M/-48.9%)**Base RL-0030.C1 GW Remedy Implementation (-\$1.1M)**200 ZP-1 Operable Unit (-\$1.1M)

Project hotel costs for extended effort on punchlist and ATP activities has resulted in a negative cost variance

ARRA RL-0030.R1.1 Cleanup Operations (-\$0.1M)

All current month variances are within reporting thresholds.

ARRA RL-0030.R1.2 Well Drilling Operations (+\$0.0M)

All current month variances are within reporting thresholds.

RL-0030.O1**Base RL-0030.O1 RL 30 (Operations) (+\$0.4M/+6.3%)**

All current month variances are within reporting thresholds.

RL-0030.R1.3**ARRA RL-0030.R1.3 Support Operations (-\$0.2M)**

All current month variances are within reporting thresholds.

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	67.2	67.2	74.1	(0.0)	-0.0	(7.0)	-10.4	73.4	81.4	(8.0)
ARRA RL-0030.R1.1 Cleanup Operations	175.0	175.0	174.8	0.0	0.0	0.2	0.1	175.0	175.0	0.0
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	282.9	282.9	287.3	(0.0)	-0.0	(4.4)	-1.6	289.1	294.7	(5.6)
Base RL-0030.O1 RL 30 (Operations)	423.8	424.5	426.0	0.7	0.2	(1.5)	-0.4	1,152.4	1,150.1	2.3
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>758.2</u>	<u>758.8</u>	<u>764.5</u>	<u>0.7</u>	0.1	<u>(5.6)</u>	-0.7	1,492.9	1,496.0	(3.1)

Numbers are rounded to the nearest \$0.1M.

CTD Schedule Performance

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

RL-0030.C (-\$0.0M/-0.0%)

Base RL-0030.C1 GW Remedy Implementation (-\$0.0M)

Contract to Date variances are within threshold.

ARRA RL-0030.R1.1 Cleanup Operations (+\$0.0M)

Scope is complete. There is no contract to date schedule variance.

ARRA RL-0030.R1.2 Well Drilling Operations (+\$0.0M)

Scope is complete. There is no contract to date schedule variance.

RL-0030.O1

Base RL-0030.O1 RL 30 (Operations) (+\$0.7M/+0.2%)

100 NR-2 Operable Unit (+\$2.2M)

Positive schedule variance has resulted from performing barrier expansion and sampling support that was planned in FY13 and performed in FY11 and FY12.

RL-0030.R1.3

ARRA RL-0030.R1.3 Support Operations (+\$0.0M)

Scope is complete. There is no contract to date schedule variance.

CTD Cost Performance

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

RL-0030.C (-\$4.4/-1.6%)

Base RL-0030.C1 GW Remedy Implementation (-\$7.0M)

200-ZP-1 Operable Unit (-\$7.0M)



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 is costing more than budgeted. There have been significant delays in long lead equipment, field installation issues, design changes and schedule extensions that have resulted in cost overruns
- 200W P&T project support, engineering and field supervision costs have increased due to the longer than expected schedule to complete construction punchlist and the impacts on ATP activities.
- Interim Operations reflects significant progress and cost underruns achieved to date for System Calibration
- Design of the permanent hookup of well EW-1 was lower than planned as only minor changes were needed to an existing design
- Cost for performing general operating and maintenance and minor modification activities have been lower than planned as the system has been running smoothly
- Cost for collecting depth-discrete groundwater and soil samples during the installation of new wells was less than planned
- 200W P&T Remedial Design/Remedial Action work plan and preliminary design activities were completed with fewer resources than planned

ARRA RL-0030.R1.1 Cleanup Operations (+\$0.2M)

Contract to Date variances are within threshold.

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

Drilling (+\$2.4M)

The positive cost variance is due to efficiencies and savings obtained in drilling for 100-NR-2 and 200-BP-5 wells. Cost efficiencies have been obtained through an aggressive drilling schedule with savings in support personnel and faster drilling methods. Well decommissioning has also been completed for less than planned.

RL-0030.O1

Base RL-0030.O1 RL 30 (Operations) (-\$1.5M/-0.4%)

Integration & Assessments (+\$4.3M)

Primary drivers for this positive cost variance are as follows:

- Less subcontractor support required for Central Plateau strategy development and integration
- Sample Management and Reporting has performed work scope more efficiently than planned
- Less cleanup document reviews were required than originally planned, requiring less contract support. Also efficiencies/savings were realized in establishing document templates, reviewing procedures, and software procurements.

Drilling (-\$2.6M)

Radiological contamination encountered on five NR-2 wells has caused additional supporting resource requirements (Health Physics Technicians). In order to recover schedule additional well drilling rigs were

used, resulting in additional overruns to the project. Also, cost for remaining casing at the completion of the project was accrued as it cannot be released to the contractor.

100-NR-2 OU (+\$2.8M)

Barrier expansion and sampling scope, chemical treatment and maintenance scope, jet grouting pilot test work, RI/FS work plan and interim proposed plan reporting were performed more efficiently than planned leading to the positive cost variance.

100-HR-3 OU (-\$3.5M)

Primary contributors to the negative cost variance are as follows:

- 100 DX- Extensive effort required to design the pH adjustment system as the design components were more difficult and required more resources than budgeted, cost overruns in completing the OU Remedial Process Optimization studies.
- 100 DX -The acceptance test plan (ATP) and the operational test plan (OTP) was more involved than planned with resource requirements exceeding the budget for the scope, additionally the work was performed in freezing weather requiring 24/7 attention to prevent freezing of pipes to continue water flow to and from wells.
- Cost of realigning wells from DR-5 to 100 DX was greater than planned as a result of continuing operation of DR-5, until DX was fully operational.
- 100 HX- Copper material costs increased significantly between estimate and procurement of materials resulting in cost over-runs. Additionally the ATP was more involved than planned with resource requirements exceeding the budget for the scope.
- Additional time and resources being spent on internal CERCLA (RI/FS) document development as a result of extensive RL comments.

200-ZP-1 OU (+\$1.0M)

Labor and subcontract cost for general operations and minor modifications support for 200-ZP-1 interim pump & treat facility is significantly less than planned. The system is running very smoothly with less adjustment than had been anticipated. Efficiencies are expected to continue with the interim facility operations until startup of the new 200 West Pump & Treat facility.

200 PW-1 OU (+\$1.2M)

Labor and subcontract cost for general operations and minor modifications support is less than planned. In addition, efficiencies and savings experienced with the Soil Vapor Extraction (SVE) system testing prior to March 2010 as well as the removal of two old SVE units.

Usage Based Services (-\$1.0M)

Increased cost associated with training due to the additional ARRA work in FY2010 and fleet services costs that occurred in FY2009 and FY2010. Overruns will continue to be funds-managed within the S&GRP project.

Ramp-up and Transition (-\$2.8M)

The negative cost variance was driven by prior year increased Project Services Distribution to RL-0030.

RL-0030.R1.3

ARRA RL-0030.R1.3 Support Operations (+\$0.3M/+0.5%)

Regulatory Decision and Closure Integration (+\$1.7M)

The positive cost variance is primarily due to completing work scope more efficiently than planned, primarily in the areas of multi-incremental sampling (using existing documentation and direct haul rather

than staging), and borehole drilling and landfill characterization (competitive subcontracting of drilling support and efficient field support).

Ramp-up and Transition (-\$2.0M)

The negative cost variance was driven by increased prior year Project Services Distribution to RL-0030.

Estimate at Completion (EAC)

ARRA – The projected variance at completion is +1.0%.

Base – The projected variance at completion of -0.5% 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.

FUNDS vs. SPEND FORECAST (\$M)

WBS 030/ RL-0030 Soil and Groundwater Remediation	FY2012		
	Projected Funding	Spending Forecast	Spend Variance
ARRA	0.6	0.6	0.0
Base	121.1	123.1	(2.0)
RL-0030 Total	121.7	123.8	(2.0)

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-030-12-019R0 - *RL-30 April General Administrative Changes*

BCRA-PRC-12-013R0 - *TPA Milestones M-037-03 & M-085-01.*

BCR-PRC-12-015R1 - *Contract Modification 220*

FY2012 Management Reserve (Funded):

ARRA = \$0.0M

Base = \$2.4M

No MR was used in April, see Management Reserve table in the CHPRC Overview.



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.

Number	Title	Type	Due Date	Actual Date	Forecast Date	Status/ Comment
M-024-58E	Initiate Discussions of Well Commitments.	TPA	6/1/12	4/24/2012		Complete
M-024-63	DOE Shall Complete Construction of all Wells Listed	TPA	12/31/12	3/28/12		Complete
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		11/20/12	Missed. Working with DOE regarding a recovery schedule and path forward
M-091-40L-034	Submit January to March 2nd Quarter FY-12 Burial Ground Sample Results.	TPA	6/15/12		6/15/12	On Schedule Presented at April 26, 2012 PMM
M-015-110D	Submit Technicium-99 Pilot-scale Treatment Study Test Report as an element of the Remedial Investigation for the 200-WA-1 OU to EPA.	TPA	6/30/12		6/13/12	On Schedule RL comments incorporated and document is now in tech edit, to be followed by CHPRC approval and transmittal to RL.

Number	Title	Type	Due Date	Actual Date	Forecast Date	Status/ Comment
M-016-120	GW Treatment System <50 gpm for Tc-99 Plume at S/SX Tank Farm	TPA	8/31/12		7/17/12	On Schedule
M-024-63-T01	Conclude Discussions of Well Commitments Initiated Under M-024-058 and Add a New Interim M-024 Milestone Commitment for 12/31/15	TPA	8/1/12		6/26/12	On Schedule
M-091-40L-035	Submit April to June 3 rd Quarter FY-12 Burial Ground Sample Results	TPA	9/15/12		9/15/12	On Schedule
M-015-62-T01	Submit a FS/PP for 100-NR-2-1/2 Operable Units Including groundwater and soil.	TPA	9/17/12		12/13/12	Currently DOE is working with Ecology to adjust milestone date
M-016-110-T01	Take Actions to Contain or Remediate Hexavalent Cr 100A GW Plumes	TPA	12/31/12		9/28/12	On Schedule
M-091-40L-036	PMM Submittal Jul-Sep 4th Qtr FY12 Burial Ground Sample Results	TPA	12/15/12		12/15/12	On Schedule



Number	Title	Type	Due Date	Actual Date	Forecast Date	Status/ Comment
M-015-00D	Complete RI/FS Process by Submitting PPs for all 100 & 300 Area OUs	TPA	12/31/12		12/13/12	On Schedule
M-091-40L-37	PMM Submittal Oct-Dec 1st Qtr FY13 Burial Ground Sample Results	TPA	3/15/12		3/15/12	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)

April 2012
CHPRC-2012-04, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

PROJECT SUMMARY

ARRA

No significant activity.

Base

Initiated work planning on the 200W Steam Pipe Repair and submitted the Change Proposal for Contract Change Order 174, Central Plateau surplus steam line landlord responsibilities.

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	50% completed

TARGET ZERO PERFORMANCE

	Current Month	Rolling 12 Month Quantity	Comment
Days Away, Restricted or Transferred	0	1	N/A
Total Recordable Injuries	0	4	N/A
First Aid Cases	0	24	N/A
Near-Misses	0	0	N/A

KEY ACCOMPLISHMENTS

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

- Completed repackaging of 209E Slab and Bellow tanks.

Base

- Completed 6 operational surveillances
- Completed 56 Radiological Operations surveillances.
- Completed 13 preventive maintenance (PM) activities.
- Submitted the Change Proposal for Contract Change Order 174, Central Plateau surplus steam line landlord responsibilities.



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.
D4-036: Readiness Reviews Required	Probability of risk occurring is low; risk accepted without mitigation.			Risk Passed – No new demolition activities in FY-12
D4-042: Unexpected Site Conditions - D4	Conduct early facility walk downs and characterization activities to minimize the schedule impacts; interview "old timers" who worked in or around the facility and compare those events to historic records; conduct document searches to ensure all available documentation is reviewed early in the D4 planning process.			Risk Passed – No new demolition activities in FY-12
WSR-006: Decision Document Approval Delays	Work with RL and regulators to establish priorities and need dates.			Risk Passed – No new decision documents FY-12
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-021: Remediation Subcontractor Performance	This risk is accepted as written and will be monitored throughout work execution.			Risk Passed – No new demolition activities in FY-12.
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.
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.
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 FY-13 funding projections, CHPRC is initiating a workforce restructuring act.

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	0.1	0.3	0.1	0.0	(0.2)	(75.0)
Outer Zone	<u>0.0</u>	<u>0.0</u>	<u>(-0.0)</u>	<u>0.0</u>	0.0	<u>0.0</u>	(100.0)
ARRA Total	0.0	0.1	0.3	0.1	0.0	(0.2)	(74.4)
Base	1.0	0.9	1.0	(0.1)	(10.7)	(0.1)	(9.7)
Total	1.0	1.0	1.3	(0.0)	(3.3)	(0.3)	(24.4)

Numbers are rounded to the nearest \$0.1M

ARRA

CM Schedule Performance: (+\$0.08M/+0.0%)

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

ARRA RL-0040.R1.2 (\$0.0M) Positive variance is within reporting threshold.

CM Cost Performance: (-\$0.2M/-74.4%)

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

ARRA RL-0040.R1.2 (-\$0.0M) Negative variance is within reporting threshold.

Base

CM Schedule Performance: (-\$0.1M/-10.7%)

Negative variance is within reporting threshold.

CM Cost Performance: (-\$0.1M/-9.7%)

Negative variance is within reporting threshold.



Contract-To-Date (\$M)

WBS 040/ RL-0040 Nuclear Facility D&D	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)	Budget at Completion (BAC)	Estimate at Completion (EAC)	Variance at Completion (VAC)
U Plant/Other	199.4	199.4	193.5	(0.0)	0.0	5.9	3.0	199.4	193.5	5.9
Outer Zone	84.3	84.3	71.6	0.0	0.0	12.6	15.0	84.3	71.7	12.6
ARRA Total	283.7	283.7	265.2	(0.1)	-0.0	18.5	6.5	283.7	265.2	18.5
Base	<u>74.1</u>	<u>74.0</u>	<u>66.7</u>	<u>(0.1)</u>	<u>(0.1)</u>	<u>7.3</u>	<u>9.8</u>	370.3	506.9	-136.6
Total	357.7	357.6	331.6	0.1	0.0	26.0	7.3	654.0	772.1	-118.1

Numbers are rounded to the nearest \$0.1M

ARRA

CTD Schedule Performance: (-\$0.1M/-0.0%)

ARRA RL-0040.R1.1 U Plant/Other D&D (-\$0.1M) Variance is within reporting threshold.

ARRA RL-0040.R1.2 Outer Zone D&D (-\$0.0M) Variance is within reporting threshold.

CTD Cost Performance: (+\$18.5M/+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.

Base

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

All variances are within thresholds.

CTD Cost Performance: (+\$7.3M/+9.8%)

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.



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

Estimate at Completion (EAC)

The BAC and EAC include FY2009 through FY2018.

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

**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	11.3	12.1	(0.8)
RL-0040 Total	20.5	21.3	(0.8)

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-PRC-12-001R1 – *Contract Modification 220*

BCRA-PRC-12-014R0 – *Decommissioning, Waste, Fuels and Remediation Services - FOC Changes*

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)

April 2012
CHPRC-2012-04, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

PROJECT SUMMARY

American Recovery and Reinvestment Act (ARRA)

No significant activity.

Base

Facilities

Completed the temporary exterior covers at 105KE facility, initiated interior cleanup activities including removal of combustible materials on the 1st floor. Initiated removal of core drilling slurry waste water drums from within 105KE Reactor building. Completed sediment load-out of 183.2KE Basin on the east side and continued with preparation at 183.7KE Structure as resources allowed.

Continued with pipe cuts on 105KE tunnel and non-boiler room asbestos removal on 165KE structure. Continued with below grade demolition on 183K Emergency Water Reservoir Pump House and asbestos removal from 165KW structure.

Continued remediation of waste sites 100-K-3, 100-K-68, 100-K-69, 100-K-70, and 100-K-71. Preliminary plan for modeling to determine protectiveness for waste sites around the 105KE reactor building is underway. A statement of work is in development for additional remediation at 100-K-47, 100-K-56 and Area AH. Completed lab analysis for contamination at Area AH east of the 105KE facility.

The Memorandum of Agreement (MOA) for Area AM is in review and field work on the removal of the 1908K Structure and waste sites 100-K-80, 96, 81, 83, and 116-K-3 is pending agreement on the MOA.

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	0	N/A
First Aid Cases	1	16	4/4/2012 – D&D worker was struck by automatic opening door, resulting in a contusion to groin. (22723)
Near-Misses	0	0	N/A

KEY ACCOMPLISHMENTS

ARRA

No American Recovery and Reinvestment Act (ARRA) accomplishments.

Base

Facilities

- Completed the temporary exterior covers at 105KE facility.
- Commenced interior cleanup activities. Removed combustible materials at 1st floor.
- Completed drum removal at 105KE facility.
- Completed the load-out of 183.2KE Basin sediment.
- Continued with asbestos abatement of 105KE tunnel and pipe cuts.
- Continued with erecting scaffolding and demolition preparation at 183.7 structure when resources allow.
- Continued non-boiler room asbestos removal at 165KE ahead of schedule.

Waste Sites

- Continued remediation of waste sites 100-K-3, 100-K-68, 100-K-69, 100-K-70, and 100-K-71.
- Completed preliminary plan for modeling to determine protectiveness for waste sites around the 105KE reactor building is underway.
- Developing SOW for additional remediation at 100-K-47, 100-K-56 and Area AH.
- Completed lab analysis for contamination at Area AH east of the 105KE facility.
- Reviewing the Memorandum of Agreement (MOA) for Area AM. Work on the removal of the 1908K Structure and waste sites 100-K-80, 96, 81, 83, and 116-K-3 is pending agreement on the MOA.

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.	<div></div>	<div></div>	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 that what is planned.	<div></div>	<div></div>	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. Failure to retard percolation will result in additional contamination to the ground water and possibly the Columbia river unless more drastic measures are taken. There are alternative remediation strategies being discussed for the following sites: 100-K-42 / UPR-100-K-1 (Fuel Storage Basin); 100-K-57 and 100-K-64 (100K East Flood Plain); and 100-KE-1 (Ventilation Condensate Crib with Carbon-14 and Tritium). The client is being kept informed on developments.
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.	<div></div>	<div></div>	TPA-CN-499 moved waste sites associated with TPA milestone M-16-53 into Phase 2 TPA Milestone M-16-143 due December 29, 2015.
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.	<div></div>	<div></div>	Developing modeling data associated with KE waste sites to determine remediation. Model results will be shared with stakeholders for path forward.
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.	<div></div>	<div></div>	Contaminated Pipe Remediation initiated – Progressing as scheduled. No concerns.
WSR-047: Unforeseen Waste Site Event	Perform routine surveillances and maintenance of waste sites including herbicide application.	<div></div>	<div></div>	Contaminated Pipe Remediation initiated – Progressing as scheduled. 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.	<div></div>	<div></div>	Recent site-wide notification regarding asbestos abatement areas could identify additional requirements regarding asbestos abatement and remediation from previously demolished structures.
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.	<div></div>	<div></div>	Recent site-wide notification regarding asbestos abatement areas identifies that as a potential concern for cost and schedule growth.
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.	<div></div>	<div></div>	Based on FY-13 funding projections, CHPRC is initiating a workforce restructuring act.

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	0.2	0.0	-1.3	-0.2	-96.6	1.3	6359.8
Base	<u>3.7</u>	<u>2.3</u>	<u>3.8</u>	<u>-1.4</u>	-38.0	<u>-1.5</u>	-64.2
Total	3.9	2.3	2.5	-1.6	-41.4	(0.2)	-8.7

Numbers are rounded to the nearest \$0.1M

ARRA

CM Schedule Performance: (-\$0.2M/-96.6%)

Waste Sites (-\$0.2M) The negative variance is due to backfills for Waste Sites being behind due to the activity being level loaded. Backfill will not occur until mid to late summer.

100K Area Project (Facilities and Others) (+\$0.0M) The variance is within reporting threshold.

CM Cost Performance: (+\$1.3M/+6359.8%)

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

100K Area Project (+\$1.3M) The positive variance is due to several cost transfers that were processed during the month that move costs to Base funding (i.e. KE Sedimentation Basin, 165KE Building and assessments).

Base

CM Schedule Performance (-\$1.4M/-38.0%)

Waste Sites (-\$0.4M) The negative schedule variance is due to Area AM not being worked as scheduled due to issues with the MOU approval. In addition, remediation of Waste Site 100-K-3 in Area AG has been slowed due to higher soil contamination than estimated.

100K Area Project (Facilities and Others) (-\$1.0M) The negative variance is due to K East Sedimentation Basin, 165KE Structure and 105KE Water Tunnel are behind schedule due to limited resources.

CM Cost Performance (-\$1.5M/-64.2%)

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

100K Area Project (-\$1.7M) The negative cost variance is due to several cost transfers that were processed during the month that moved costs from ARRA to Base funding.

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	178.5	177.7	179.6	-0.8	-0.4	(1.9)	-1.1	179.7	181.7	(1.9)
Base	94.6	92.1	78.9	-2.5	-2.7	13.2	14.3	337.8	269.6	68.3
Total	273.1	269.8	258.5	-3.3	-1.2	11.3	4.2	517.5	451.2	66.3

Numbers are rounded to the nearest \$0.1M

ARRA

CTD Schedule Performance: (-\$0.8M/-0.4%)

Waste Sites (-\$0.8M) The negative variance is due to backfills for Waste Sites being behind due to the activity being level loaded. Backfill will not occur until mid to late summer.

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

CTD Cost Performance: (-\$1.9M/-1.1%)

Waste Sites (+\$8.5) The positive cost variance is due to Confirmatory Sampling No Action (CSNA) sites that were completed at less than anticipated cost. This is partially offset by greater than anticipated extent and severity of contamination on many waste sites resulting in more tons disposed and more controls required, thus higher than anticipated cost.

100K Area Project (-\$10.4M) The negative cost variance is due to numerous design changes and additional punch list items in the Utilities Reroute project; this also resulted in the project utilizing more vehicles and equipment than was originally planned as well as the Project Management costs to rise due to the corresponding increases for both labor and materials.

Base

CTD Schedule Performance (-\$2.5M/-2.7%)

Waste Sites (+\$0.8M) The positive cost variance is due to CSNA sites that were completed at less than anticipated cost. This is offset by Area AM not being worked as schedule due to the MOA not being approved

100K Area Project (Facilities and Others) (-\$3.3M) The negative schedule variance is due to being behind on K East Sedimentation, 105KE Water Tunnel and 1908K Structure due to limited resources. 1908 is also impacted by the MOA not being approved until this month.

CTD Cost Performance (+\$13.2M/+14.3%)

Waste Sites (+\$10.2M) The positive cost variance is due to CSNA sites that were completed at less than anticipated cost. This is partially offset by greater than anticipated extent and severity of contamination on many waste sites resulting in more tons disposed and more controls required, thus higher than anticipated cost, as well as level-of-effort activities bearing additional costs for increased functional group support.

100K Area Project (Facilities and Others) (+\$3.0M) The positive cost variance is due to 105KE Reactor Disposition – ISS underrun as well as 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	36.1	33.9	2.2
RL-0041 Total	42.6	40.4	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

BCR-PRC-12-001R1 – *Contract Modification 220*

BCRA-PRC-12-014R0 – *Decommissioning, Waste, Fuels and Remediation Services - FOC Changes*

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)

April 2012
CHPRC-2012-04, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

PROJECT SUMMARY

The Fast Flux Test Facility (FFTF) is being maintained in a low-cost surveillance and maintenance condition. The 400 Area water system continues to operate providing service to other occupants of the 400 Area and water for fire protection. Repairs of roof leaks are scheduled for June 2012.

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

KEY ACCOMPLISHMENTS

Completed 2 Preventative Maintenance Packages
Completed 1 RAD Surveillance
Completed 4 Operational Surveillances
Completed 4 Annual Surveillances
Performing compensatory measures in fire system panel

MAJOR ISSUES

Issue: Operating record for Waste Management Unit inaccurate.

Status: Completed waste profile on 400 Area Interim Storage Area inventory. Making preparations to perform the pre-transfer review and the receipt inspection. Continuing to review records in an attempt to determine receipt date.

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	0.1	0.1	0.1	0.0	0.0%	0.0	11.6%

Numbers are rounded to the nearest \$0.1M

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

The current month schedule variance is within reporting thresholds.

CM Cost Performance: (\$0.0M/11.5%)

The current month cost variance is within reporting thresholds.

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	13.0	13.0	11.5	0.0	0.0%	1.5	11.5%	26.2	24.3	1.9

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 (+\$1.5M/+11.5%)

The favorable 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.

Contract Performance Report Formats are provided in Appendix A.

Estimate at Completion (EAC)

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

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

FUNDS vs. SPEND FORECAST (\$M)

FY2012			
RL-0042 FFTF Closure	Projected Funding	Spending Forecast	Spend Variance
Base	2.0	1.9	0.1

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

BCR-PRC-12-001R1 – *Contract Modification 220*

BCRA-PRC-12-014R0 – *Decommissioning, Waste, Fuels and Remediation Services - FOC Changes*

MILESTONE STATUS

None currently identified.

SELF-PERFORMED WORK

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

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

None currently identified.

Appendix A

Contract Performance Reports

Format 1 - Work Breakdown Structure

Format 2 - Organizational Categories

Format 3 - Baseline

Format 4 - Staffing

Format 5 - Explanation and Problem Analysis



April 2012
CHPRC-2012-04, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

CLASSIFICATION (When Filled In)

1 | A
Appendix A

FORMAT 2, DD FORM 2734/2, ORGANIZATIONAL CATEGORIES

CONTRACT PERFORMANCE REPORT FORMAT 2 - ORGANIZATIONAL CATEGORIES														CLASSIFICATION (When Filled In)			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)				
b. LOCATION (Address and ZIP Code) Richland, WA						b. NUMBER RL14788						b. PHASE						2012 / 03 / 26				
c. TYPE CPAF						d. SHARE RATIO						e. EVMS ACCEPTANCE NO YES X 9/18/2009						b. TO (YYYYMMDD) 2012 / 04 / 22				
5. PERFORMANCE DATA																						
FOC		CURRENT PERIOD						CUMULATIVE TO DATE						REPROGRAMMING ADJUSTMENTS			AT COMPLETION					
ITEM (1)	BUDGETED COST		ACTUAL COST	VARIANCE		BUDGETED COST		ACTUAL COST	VARIANCE								BUDGETED	ESTIMATED	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)	(14)	(15)	(16)						
30A - Project Services & Support																						
011.A - Proj Services & Support	0	0	0	0	0	62,534	62,534	54,914	0	7,619	0	0	0	62,534	54,914	7,619						
012.A - Proj Services & Support	0	0	0	0	0	30,631	30,631	29,037	0	1,594	0	0	0	30,631	29,037	1,594						
013.A - Proj Services & Support	0	0	0	0	0	80,655	80,655	76,101	0	4,554	0	0	0	80,655	76,101	4,554						
030.A - Proj Services & Support	0	0	0	0	0	63,710	63,710	66,183	0	(2,473)	0	0	0	63,710	66,183	(2,473)						
040.A - Proj Services & Support	0	0	0	0	0	47,955	47,955	38,102	0	9,853	0	0	0	47,955	38,102	9,853						
041.A - Proj Services & Support	0	0	0	0	0	36,959	36,959	29,926	0	7,032	0	0	0	36,959	29,926	7,032						
042.A - Proj Services & Support	0	0	0	0	0	1,604	1,604	1,492	0	112	0	0	0	1,604	1,492	112						
	0	0	0	0	0	324,047	324,047	295,756	0	28,291	0	0	0	324,047	295,756	28,291						
30B - WBS 98 PSD Distribution																						
011.A1 - Project Specific Distributables	0	0	0	0	0	16,561	16,561	17,047	0	(486)	0	0	0	16,561	17,047	(486)						
013.A1 - Project Specific Distributables	0	0	0	0	0	10,645	10,645	14,888	0	(4,244)	0	0	0	10,645	14,888	(4,244)						
030.A1 - Project Specific Distributables	0	0	0	0	0	8,173	8,173	10,290	0	(2,116)	0	0	0	8,173	10,290	(2,116)						
040.A1 - Project Specific Distributables	0	0	0	0	0	20,184	20,184	17,326	0	2,858	0	0	0	20,184	17,326	2,858						
041.A1 - Project Specific Distributables	0	0	0	0	0	12,155	12,155	10,176	0	1,979	0	0	0	12,155	10,176	1,979						
	0	0	0	0	0	67,718	67,718	69,727	0	(2,008)	0	0	0	67,718	69,727	(2,008)						
30C - WBS 98 R&RP Distribution																						
011.A2 - PSD R&RP	0	0	0	0	0	950	950	1,230	0	(280)	0	0	0	950	1,230	(280)						
012.A2 - PSD R&RP	0	0	0	0	0	0	0	1,409	0	(1,409)	0	0	0	0	1,409	(1,409)						
013.A2 - PSD R&RP	0	0	0	0	0	1,132	1,132	2,294	0	(1,162)	0	0	0	1,132	2,294	(1,162)						
030.A2 - PSD R&RP	0	0	0	0	0	989	989	3,154	0	(2,164)	0	0	0	989	3,154	(2,164)						
040.A2 - PSD R&RP	0	0	0	0	0	1,076	1,076	705	0	371	0	0	0	1,076	705	371						
041.A2 - PSD R&RP	0	0	0	0	0	854	854	604	0	250	0	0	0	854	604	250						
042.A2 - PSD R&RP	0	0	0	0	0	0	0	22	0	(22)	0	0	0	0	22	(22)						
	0	0	0	0	0	5,000	5,000	9,417	0	(4,417)	0	0	0	5,000	9,417	(4,417)						
30W - WBS 98 WFR Distribution																						
011.A3 - PSD WFR	0	0	0	0	0	2,996	2,996	2,996	0	0	0	0	0	2,996	2,996	0						
012.A3 - PSD WFR	0	0	0	0	0	22	22	22	0	0	0	0	0	22	22	0						
013.A3 - PSD WFR	0	0	0	0	0	12,490	12,490	12,490	0	0	0	0	0	12,490	12,490	0						
040.A3 - PSD WFR	0	0	0	0	0	2,053	2,053	2,053	0	0	0	0	0	2,053	2,053	0						
041.A3 - PSD WFR	0	0	0	0	0	2,568	2,568	2,568	0	0	0	0	0	2,568	2,568	0						
	0	0	0	0	0	20,128	20,128	20,128	0	0	0	0	0	20,128	20,128	0						
34 - Environmental Prog & Strategic Planning																						
030.2 - Envir Prog & Strategic Planning	410	443	436	33	7	34,701	34,495	31,743	(205)	2,753	0	0	0	79,549	76,903	2,647						
	410	443	436	33	7	34,701	34,495	31,743	(205)	2,753	0	0	0	79,549	76,903	2,647						
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	4	0	(4)	23,047	23,047	23,520	0	(472)	0	0	0	23,047	23,521	(473)						
	0	0	4	0	(4)	44,816	44,816	45,288	0	(472)	0	0	0	44,816	45,289	(473)						
3B - PFP Closure, BOS & Infrastructure																						
011.1 - Plutonium Finishing Plant	9,193	9,295	10,259	102	(963)	401,736	398,840	416,220	(2,896)	(17,379)	0	0	0	808,651	820,545	(11,895)						
	9,193	9,295	10,259	102	(963)	401,736	398,840	416,220	(2,896)	(17,379)	0	0	0	808,651	820,545	(11,895)						
3C - W&FMP/D&D Project																						
012.1 - 100 K Area Project	2,161	2,246	2,921	84	(676)	103,716	103,563	107,340	(153)	(3,777)	0	0	0	197,402	201,789	(4,387)						
012.2 - Sludge Treatment Project	3,344	2,679	3,293	(664)	(614)	138,446	137,457	136,404	(989)	1,053	0	0	0	282,398	280,640	1,759						
013.1 - Waste Management	6,634	6,900	5,979	267	922	559,803	559,230	556,899	(574)	2,330	0	0	0	1,306,259	1,303,353	2,906						
040.1 - PRC D&D	26	113	479	87	(366)	189,705	189,702	186,562	(3)	3,141	0	0	0	289,155	286,453	2,701						
040.2 - D&D Fac Waste Site Remediation	0	(1)	16	(1)	(17)	67,490	67,600	60,115	110	7,485	0	0	0	187,282	179,890	7,372						
041.1 - River Zone	2,649	1,601	2,031	(1,048)	(429)	159,054	155,750	172,491	(3,304)	(16,741)	0	0	0	361,448	374,408	(12,960)						
041.3 - Waste Sites	1,319	724	498	(595)	226	61,538	61,564	42,789	26	18,775	0	0	0	103,597	90,017	13,580						
042.1 - FFTF	144	144	128	(0)	17	11,417	11,417	10,011	0	1,406	0	0	0	24,566	23,479	1,087						
040.3 - PRC Fac & Waste Site Maint	1,000	880	817	(119)	64	30,307	30,012	28,013	(295)	1,999	0	0	0	106,241	103,091	3,150						
	17,276	15,287	16,161	(1,989)	(874)	1,321,477	1,316,296	1,300,624	(5,181)	15,671	0	0	0	2,858,328	2,843,120	15,208						
3D - Soil & Groundwater Remediation																						
030.1 - Soil & GW Remediation	6,173	5,426	5,090	(746)	336	360,572	361,477	348,964	905	12,513	0	0	0	1,040,580	1,024,218	16,362						
	6,173	5,426	5,090	(746)	336	360,572	361,477	348,964	905	12,513	0	0	0	1,040,580	1,024,218	16,362						
3F - Engineering, Projects & Construction																						
030.3 - EPC - Groundwater	3,577	2,330	3,452	(1,247)	(1,122)	266,977	266,947	280,634	(29)	(13,686)	0	0	0	276,872	291,648	(14,776)						
	3,577	2,330	3,452	(1,247)	(1,122)	266,977	266,947	280,634	(29)	(13,686)	0	0	0	276,872	291,648	(14,776)						
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	36,629	32,781	35,401	(3,848)	(2,621)	2,847,171	2,839,765	2,818,499	(7,407)	21,266	0	0	0	5,525,688	5,496,749	28,939						
f. Management Resrv.	0	0	0	0	0	0	0	0	0	0	0	0	0	116,968	0	116,968						
g. Total	36,629	32,781	35,401	(3,848)	(2,621)	2,847,171	2,839,765	2,818,499	(7,407)	21,266	0	0	0	5,642,656	5,496,749	28,939						

FORMAT 3, DD FORM 2734/3, BASELINE

April 2012 Monthly Report

CONTRACT PERFORMANCE REPORT														Form Approved 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: 2012/03/26 b. TO: 2012/04/22				
5. CONTRACT DATA																
a. ORIGINAL NEGOTIATED COST 4,312,366				b. NEGOTIATED CONTRACT CHANGE \$1,304,462		c. CURRENT NEGOTIATED COST (A + B) \$5,616,828		d. ESTIMATED COST AUTH UNPRICED WORK 25,828		e. CONTRACT BUDGET BASE (C + D) \$5,642,656		f. TOTAL ALLOCATED BUDGET \$5,642,657		g. DIFFERENCE (E - F) (\$0)		
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						BUDGETED COST FOR WORK SCHEDULED (NON - CUMULATIVE)					OUT YEARS (14)	UNDISTRIB BUDGET (15)	TOTAL BUDGET (16)
			+1 May-12 (4)	+2 Jun-12 (5)	+3 Jul-12 (6)	+4 Aug-12 (7)	+5 Sep-12 (8)	+6 Oct-12 (9)	FY09 (10)	FY10 (11)	FY11 (12)	FY12 (13)				
a. PM BASELINE (BEGIN OF PERIOD)	2,810,542	36,916	44,431	32,313	31,222	43,015	50,789	28,032	653,426	960,017	1,002,105	433,680	3,439,751	0	6,488,979	
b. BASELINE CHANGES AUTH DURING REPORT PERIOD BCR-PRC-12-015R1 - Contract Modification 220 BCRA-PRC-12-014R0 - Decommissioning, Waste, Fuels and Remediation Services - FOC Changes BCRA-030-12-019R0 - RL-30 April 2012 General Administrative Changes BCRA-000-12-006R0 - EPC FOC Update BCRA-PRC-12-013R0 - TPA Milestones M-037-03 & M-085-01												(7,652)	(955,639)		(963,291)	
c. PM BASELINE (END OF PERIOD)	2,847,171	36,629	44,718	32,313	31,221	43,015	43,137	28,032	653,426	960,017	1,002,105	426,028	2,484,112	0	5,525,688	
7. MANAGEMENT RESERVE															116,968	
8. TOTAL															5,642,657	

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 / 03 / 26		
b. LOCATION (Address and ZIP Code) Richland, WA			b. NUMBER RL14788			b. PHASE			b. TO (YYYYMMDD)		
			c. TYPE CPAF		d. SHARE RATIO	c. EVMS ACCEPTANCE NO 9/18/2009			2012 / 04 / 22		

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

FOC Group by FOC ITEM (1)	ACTUAL CURRENT PERIOD (2)	ACTUAL END OF CURRENT PERIOD (Cumulative) (3)	FORECAST (Non-Cumulative)								AT COMPLETION (15)	
			SIX MONTH FORECAST						SPECIFIED PERIODS			
			+1 May (4)	+2 Jun (5)	+3 Jul (6)	+4 Aug (7)	+5 Sep (8)	+6 Oct (9)	REM FY13 (12)	FY14-18 (13)		
30B - WBS 98 PSD Distribution												
011.A1 - Project Specific Distributables	0	1	0	0	0	0	0	0	0	0	0	1
013.A1 - Project Specific Distributables	0	0	0	0	0	0	0	0	0	0	0	0
030.A1 - Project Specific Distributables	0	0	0	0	0	0	0	0	0	0	0	0
040.A1 - Project Specific Distributables	0	0	0	0	0	0	0	0	0	0	0	0
	0	1	0	0	0	0	0	0	0	0	0	1
31 - Communications & Outreach												
000.1 - Communications & Outreach	5	495	8	8	7	8	7	7	77	420		1,037
	5	495	8	8	7	8	7	7	77	420		1,037
32 - Safety, Health, Security & Quality												
000.2 - Safety,Health,Security/Quality	58	4,155	73	74	80	79	73	61	669	2,889		8,153
	58	4,155	73	74	80	79	73	61	669	2,889		8,153
34 - Environmental Prog & Strategic Planning												
000.4 - Environmental Prog & Strategic Planning	20	876	24	24	23	23	23	21	243	957		2,214
030.2 - Envr Prog & Strategic Planning	14	1,317	21	23	23	22	23	22	237	1,702		3,390
	33	2,192	45	47	46	45	46	43	480	2,660		5,604
35 - Business Services												
000.6A - Expense PSD	0	1,302	0	0	0	0	0	0	0	0		1,302
000.8 - Chief Financial Officer	94	4,779	101	101	101	100	100	99	1,091	5,579		12,052
000.9 - Chief Information Officer	0	4	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		15
013.9F - Ramp Up/Transition - Fac	0	1	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		11
030.9F - Ramp Up/Transition - Fac	0	272	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		7
040.9F - Ramp Up/Transition - Fac	0	2	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		18
041.9F - Ramp Up/Transition - Fac	0	1	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		13
	94	6,426	101	101	101	100	100	99	1,091	5,579		13,698
36 - Prime Contract & Project Integration												
000.7 - Contract and Baseline Management	35	1,683	36	36	36	36	36	42	462	2,373		4,741
	35	1,683	36	36	36	36	36	42	462	2,373		4,741
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
3B - PFP Closure												
011.1 - Plutonium Finishing Plant	384	24,289	485	474	470	457	465	517	5,760	8,515		41,433
	384	24,289	485	474	470	457	465	517	5,760	8,515		41,433
3C - W&FMP/D&D Project												
012.1 - 100 K Area Project	146	5,928	93	94	94	94	94	105	1,152	2,266		9,919
012.2 - Sludge Treatment Project	91	4,762	179	180	179	177	176	156	1,350	2,641		9,801
013.1 - Waste Management	314	29,398	339	351	344	343	341	361	3,986	25,043		60,507
013.3 - Solid Waste Variable	8	584	9	9	9	9	9	9	99	540		1,277
040.1 - PRC D&D	8	7,469	16	1	0	0	0	0	0	3,563		11,049
040.2 - D&D Fac Waste Site Remediation	0	1,341	0	0	0	0	0	0	0	1,425		2,766
040.3 - PRC Fac & Waste Site Maint	33	1,857	44	44	44	44	44	48	552	2,821		5,501
041.1 - River Zone	58	5,297	80	55	55	55	55	48	526	3,626		9,797
041.3 - Waste Sites	10	1,022	7	6	4	4	4	3	4	898		1,952
042.1 - FFTF	6	551	8	8	8	8	8	7	76	413		1,087
	674	58,208	775	749	738	735	731	737	7,745	43,236		113,655
3D - Soil & Groundwater Remediation												
030.1 - Soil & GW Remediation	199	14,332	235	247	269	252	253	275	3,451	16,238		35,552
	199	14,332	235	247	269	252	253	275	3,451	16,238		35,552
3F - Engineering, Projects & Construction												
000.F - Eng/Procurement & Construction	15	1,130	18	18	18	18	18	16	171	766		2,171
030.3 - EPC - Groundwater	39	3,243	64	52	23	10	2	0	26	128		3,547
	54	4,373	81	70	40	27	19	16	198	894		5,718
Grand Totals:	1,536	116,157	1,840	1,805	1,789	1,739	1,730	1,796	19,934	82,803		229,593

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) 2012/03/26		
b. LOCATION (Address and ZIP Code) Richland, WA 99354		b. NUMBER RL		b. PHASE Base and ARRA			b. TO (YYYY/MM/DD) 2012/04/22		
		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:	36,629	32,781	35,402	(3,848)	-10.5%	(2,621)	-8.0%	0.89	0.93
Cumulative:	2,847,171	2,839,765	2,818,499	(7,407)	-0.3%	21,266	0.7%	1.00	1.01
	BAC	EAC	VAC in \$	VAC in %	CPI to BAC	CPI to EAC			
At Complete:	5,525,688	5,496,749	28,939	0.5%	1.0	1.0			
Explanation of Variance/Description of Problem:									
<p>Current Period Schedule Variance: The unfavorable Schedule Variance (-\$3.8M) reflects the following:</p> <p>The PBS RL-11 positive variance (+\$0.1M) is within reporting thresholds. The RL-12 combined 100K and STP negative variance (-\$0.6M) is due to containerized sludge activities performed ahead of schedule in previous periods and realizing BCWS in the current period, K West fuel processing delays impacting the KOP Project construction testing and readiness activities. The RL-13 positive variance (+\$0.3M) is within reporting thresholds. The RL-30 negative variance (-\$2.0M) is due to 200W P&T Project work performed in previous periods with BCWS planned for this period. The delays in completion of the 200W P&T Startup and turnover to Ops have resulted in delays in the startup of plant operations. The RL-40 negative variance (-\$0.0M) is within reporting threshold. The RL-41 negative variance (-\$1.6M) is due to delays with backfilling of Waste Sites, additional sampling and lack of resources required for KE Sedimentation Basin. In addition, late approval of the MOA has delayed Waste Area AM and several facility structures. The RL-42 variances are within reporting thresholds (-\$0.0M).</p> <p>Current Period Cost Variance: The unfavorable Cost Variance (-\$2.6M) reflects the following:</p> <p>The PBS RL-11 negative variance (-\$1.0M) primarily results from inefficiencies resulting from RMA/RMC D&D down-time issues and the limited ability to re-assign resources to other projects when events prevent work in assigned areas. Three months of TRU waste disposal cost occurring in the current period also contribute to the variance. The RL-12 combined 100K and STP negative variance (-\$1.3M) is due to Fuel packaging operations took longer than planned due to additional debris in the containers requiring more resource time to complete and the cost to install trailers to support ECRTS Construction have been greater than expected. The RL-13 positive variance (+\$0.9M) is primarily due to a contract accrual reversal (Retrieval contract claim was rejected), inventory adjustments, and schedule recovery in ETF without commensurate use of resources. The RL-30 negative variance (-\$0.8M) is driven by project hotel costs for extended effort on punchlist and ATP activities. The RL-40 negative variance (-\$0.3M) is within reporting thresholds. The RL-41 (-\$0.2M) is within reporting thresholds. The RL-42 positive variances are within reporting thresholds (+\$0.0M).</p> <p>Cumulative Schedule Variance: The unfavorable Cumulative Schedule Variance (-\$7.4M) is within reporting thresholds and reflects the following:</p> <p>The PBS RL-11 negative variance (-\$2.9M) is within reporting thresholds. The RL-12 negative variance (-\$1.1M) is within reporting thresholds. The RL-13 negative variance (-\$0.6M) is in within reporting threshold however, is due to Canister Storage Building (CSB) and Effluent Treatment Facility (ETF) activities delayed due to resource availability (assigned to higher priority activities). The RL-30 positive variance (+\$0.7M) is within reporting thresholds. The RL-40 negative variance (-\$0.2M) is within reporting thresholds. The RL-41 negative variance (-\$3.3M) is within reporting thresholds. The RL-42 variances are within reporting thresholds.</p> <p>Cumulative Cost Variance: The favorable cost variance (+\$21.3M) is within reporting thresholds and consists of favorable and unfavorable cost variances in direct projects (-\$0.6M) and prior year G&A/DD/PSD distribution variances (+21.3M).</p>									
Impact:									
<p>Current Period Schedule: For PBS RL-11, current period performance reflects an upward trend. For RL-12, no significant impact. For RL-13, there is no current period schedule impact. For RL-30 there is no impact associated with the current month positive schedule variance. For RL-40, current period schedule variance is within threshold and there is no significant impact. For RL-41, current period schedule impacts are the same as the CTD schedule impacts (see below). For RL-42, there is no impact associated with the schedule variance.</p> <p>Current Period Cost: For PBS RL-11, cost performance continued to trend upward. For RL-12, no significant impact. For RL-13, there is no Cost impact. For RL-30, the cost for the Sludge Stabilization System will exceed the original plan. For RL-40, current period cost variance is within threshold and there is no significant impact. For RL-41, minimal impact is expected due to the overall positive variance. For RL-42, there is no impact associated with the cost variance.</p>									

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

CTD Schedule: For PBS RL-11, performance has leveled off at a rate below the baseline plan; however, it is expected with implementation of initiatives identified during the Value Engineering Workshop that this trend will be reversed. Since PRF size reduction of pencil tank assemblies has been progressing ahead of schedule, PFP management decided to eliminate the second D&D team on Q shift. Remaining durations are being evaluated by the project manager and known efficiencies being incorporated to align the FES with the baseline plan so as not to delay achievement of the TPA Milestone M-083-44. All other subprojects are projecting to finish behind schedule. The critical path runs through nearly all subprojects, with Top 5 Float Paths containing activities associated with PRF, 291-Z-001 Stack demolition, process vacuum removal, process support equipment removal, D&D RMA/RMC lines, Room 236 size reduction, and duct and filter removal. The expectation continues for VE initiatives, once implemented, to produce schedule savings that will recover behind-schedule status. TPA Milestone M-083-24, Submit S&M Plan Pursuant to Agreement Section 8.5.4, Due: June 30, 2012, Completed September 30, 2012. TPA Milestone M-083-44, Complete Transition of 234-5Z&ZA/243-Z/291-Z & 291-Z-1 Facilities. Due: September 30, 2015, Forecast: January 13, 2016. TPA Milestone M-083-00A, Complete PFP Facility Transition and Selected Disposition Activities. Due: September 30, 2016, Forecast: August 29, 2016. For RL-12, no significant impact. No schedule impacts for RL-13. For RL-30, the variance better reflects work completed to date. For RL-40 CTD schedule variance is within threshold and there is no significant impact. RL-41 has no significant impacts. For RL-42, the schedule variance is within threshold and has no significant impact.

CTD Cost: For PBS RL-11, A slight over-run at completion is forecast, primarily due to prior years' unrecoverable cost variance. The FYTD trend has been factored into the FY2012 ETC. Cost savings or cost impact, resulting from schedule impacts discussed above, continue to be evaluated. For RL-12, no significant impact. There are no cost impacts for RL-13. For RL-30, no significant impact. RL-40, cost variance has no significant impact. RL-41 cost variance is within threshold and has no significant impact. For RL-42, the cost variance is within threshold and has no significant impact.

Corrective Action:

Current Period Schedule: For PBS RL-11 see CTD Schedule. For RL-12, no corrective actions required. For RL-13, no corrective action required. For RL-30, no corrective actions are required. For RL-40, no corrective actions are required at this time. For RL-41, the current period schedule corrective actions are the same as CTD schedule corrective actions (see below). For RL-42, no corrective actions required.

Current Period Cost: For PBS RL-11, see CTD Cost. For RL-12, no corrective actions required. No cost corrective actions are required for RL-13. For RL-30, no corrective actions are required. For RL-40, no corrective actions are required at this time. 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. For RL-42, no corrective actions required.

CTD Schedule: For PBS RL-11, the following corrective actions are in place. No other specific corrective actions are planned at this time.

1. ZB Complex demolition: Last Month: BOS D&D is exploring the use of overtime, because temporary resources are reaching the end of their assignment and the demolition project needs to complete prior to that time. STATUS: BOS D&D will use resources from 100K project to finish demolition activities. (COMPLETE). NEW: In order to mitigate wind impacts, D&D worked with radiological control, allowing demolition of 2736-ZB "clean" buildings to occur under slightly higher wind speeds than original constraint. (COMPLETE). 2. Value Engineering (VE) Study: Last Month: The recommendations will be evaluated for viability by PFP senior management and an individual will be assigned to spearhead the VE initiatives. STATUS: COMPLETE (selection made). April 2012: PFP will begin to develop the implementation plan. 3. Balance of 234-5Z: additional insulation is being removed on overtime so that the impediment to pipe removal is eliminated. STATUS: SWB plating needs to be installed prior to scaffold erection to support follow-on removal efforts (ECD Apr 2012). The Field Execution schedule is loaded to deploy iron worker, NDA and insulator resources in an accelerated fashion to get work completed in follow-on areas and remain out of the way of pipe cutting crews (ECD End of April for first three field work packages). Areas to be accessed in the future are being reviewed to see if interferences can be removed to enhance worker and equipment movement (ECD for identification of targets of opportunity May 2012). The project is planning to take advantage of the nine days the work teams are in block training to erect scaffold. This will put the project in a good position to complete the NDA shots for future work packages as well as helping get ahead of the removal teams (ECD May 2012). For RL-12, no corrective actions required. For RL-13, no corrective action required. For RL-30, no corrective action required. For RL-40, no corrective actions are required at this time. 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. For RL-42, no corrective actions required.

CTD Cost: For PBS RL-11, no specific corrective actions are planned at this time. For RL-12, no corrective actions required. For RL-13 no corrective action required. 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-40, no corrective actions are required at this time. For RL-41, change requests and REAs are being prepared to address additional soil contamination efforts not priced in the original contract. No corrective actions are required for D&D. For RL-42, no corrective actions are required at this time.

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

The current month schedule variance is within reporting thresholds, except for RL-30 and RL-41. The RL-30 negative variance (-\$2.0M) is due to 200W P&T Project work performed in previous periods with BCWS planned for this period. The delays in completion of the 200W P&T Startup and turnover to Ops have resulted in delays in the startup of plant operations. The RL-41 negative variance (-\$1.6M) is due to delays with backfilling of Waste Sites, additional sampling and lack of resources required for KE Sedimentation Basin. In addition, late approval of the MOA has delayed Waste Area AM and several facility structures. The current month cost variance is within reporting thresholds, except for RL-11, 12 and 13. RL-11 has a negative variance (-\$1.0M) which results from inefficiencies resulting from RMA/RMC D&D down-time issues and the limited ability to re-assign resources to other projects when events prevent work in assigned areas. Three months of TRU waste disposal cost occurring in the current period also contribute to the variance. The RL-12 Combined 100K and STP negative variance (-\$1.3M) is due to Fuel packaging operations took longer than planned due to additional debris in the containers requiring more resource time to complete and the cost to install trailers to support ECRTS Construction have been greater than expected. The RL-13 positive variance (+\$0.9M) is primarily due to a contract accrual reversal (Retrieval contract claim was rejected), inventory adjustments, and schedule recovery in ETF without commensurate use of resources. The cumulative to date cost and schedule variances are within reporting thresholds except for RL-40 and RL-42 which have favorable cost variances of 7.2% and 11.5% respectively. The cost variance in RL-40 is largely due to efficiencies realized by Cold and Dark, Sampling and Characterization/Waste Identification and D&D work teams. The RL-42 cost variance is due to lower than anticipated cost of maintaining FFTF in a cold and dry status.

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

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

Variance in Performance BAC and EAC: The variance at complete (VAC) between the BAC and EAC this month is a positive \$28.9 million and +0.5%. This variance is within threshold for the Project. The VACs for each project baseline summary (PBS) are also within the threshold limit. For information, the VAC threshold limit is +or- 5% and +or- \$15 million.

Format 1 and 3 Contract Data:

Contract Price Adjustments

Base & ARRA		
CPs - In Process		
	Total Authorized Unpriced Work	25,828,369
Approved Adjustments to Contract Price (not reflected in B.4-1 Table)		
	Total Negotiated Cost Changes	-
Grand Total Adjustments		25,828,369

Use of Management Reserve (MR):

Management Reserve Utilization

BCR Number	Title	Fiscal Year	MR (ARRA) & PBS	MR (Base) & PBS
BCR-PRC-12-015R1	Contract Modification 220	2012-2018	N/A	\$31.3M
Overall MR Change in April 2012 increased \$31.3M				

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

Prepared by:

Project Control Staff

Date:

5/21/2012

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



April 2012
CHPRC-2012-04, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

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

CONTRACT PERFORMANCE REPORT FORMAT 1 - WORK BREAKDOWN STRUCTURE															CLASSIFICATION (When Filled In)			FORM APPROVED OMB No. 0704-0188																												
1. CONTRACTOR															2. CONTRACT			3. PROGRAM			4. REPORT PERIOD																									
a. NAME CH2M HILL Plateau Remediation Company					b. LOCATION (Address and ZIP Code) Richland, WA					c. TYPE CPAF					d. SHARE RATIO					e. EVMS ACCEPTANCE NO YES X 9/18/2009			f. FROM (YYYYMMDD) 2012 / 03 / 26			g. TO (YYYYMMDD) 2012 / 04 / 22																				
5. CONTRACT DATA															6. ESTIMATED COST AT COMPLETION			7. AUTHORIZED CONTRACTOR REPRESENTATIVE			8. PERFORMANCE DATA																									
a. QUANTITY					b. NEGOTIATED COST 1,305,191		c. ESTIMATED COST OF AUTHORIZED UNPRICED WORK 0			d. TARGET PROFIT/ FEE 70.859		e. TARGET PRICE 1,377,345		f. ESTIMATED PRICE 1,377,345		g. CONTRACT CEILING 1,376,050		h. ESTIMATED CONTRACT CEILING 1,377,345		i. DATE OF OTB/OTS (YYYYMMDD)																										
a. BEST CASE					b. WORST CASE		c. MOST LIKELY			MANAGEMENT ESTIMATE AT COMPLETION (1) 1,306,485		CONTRACT BUDGET BASE (2) 1,305,191		VARIANCE (3) (1,295)		a. NAME (Last, First, Middle Initial) Bang, M.V.			b. TITLE Prime Contract Manager			c. SIGNATURE			d. DATE SIGNED (YYYYMMDD) 2012 / 04 / 22																					
8. PERFORMANCE DATA															9. RECONCILIATION TO CBB			10. VARIANCE ADJUSTMENT			11. TOTAL CONTRACT VARIANCE																									
WBS[1]															CURRENT PERIOD			CUMULATIVE TO DATE			REPROGRAMMING ADJUSTMENTS			AT COMPLETION																						
ITEM (1)															BUDGETED COST		ACTUAL COST WORK PERFORMED (4)		VARIANCE		BUDGETED COST		ACTUAL COST WORK PERFORMED (9)		VARIANCE		COST VARIANCE (12a)		SCHEDULE VARIANCE (12b)		BUDGET (13)		BUDGETED (14)		ESTIMATED (15)		VARIANCE (16)									
															WORK SCHEDULED (2)		WORK PERFORMED (3)		SCHEDULE (5)		COST (6)		WORK SCHEDULED (7)		WORK PERFORMED (8)		SCHEDULE (10)		COST (11)																	
RL-0011.R1 PFP D&D															1,653		1,018		(636)		(1,062)		286,678		282,321		291,173		(4,357)		(8,852)		0		0		0		290,945		297,258		(6,313)			
RL-0013C.R1.1 MLLW Treatment															0		0		1		(1)		47,707		47,699		42,680		(8)		5,018		0		0		0		47,707		42,740		4,967			
RL-0013C.R1.2 TRU Waste															0		0		(45)		0		45		255,312		255,312		253,623		(0)		1,689		0		0		0		255,312		253,525		1,786	
RL-0013C.R1.3 TRU Wst Facil Trans MinSafe															0		0		120		0		(120)		1,500		1,500		1,395		0		105		0		0		0		1,500		1,393		107	
RL-0030.R1.1 GW Capital Asset															0		0		92		0		(92)		175,008		175,008		174,828		0		180		0		0		0		175,008		174,997		11	
RL-0030.R1.2 GW Operations															0		0		(3)		0		3		92,146		92,146		89,509		(0)		2,637		0		0		0		92,146		89,510		2,636	
RL-0040.R1.1 U Plant/Other D&D															0		76		304		76		(228)		199,391		199,391		193,504		(0)		5,887		0		0		0		199,391		193,699		5,692	
RL-0040.R1.2 Outer Zone D&D															0		0		(7)		0		7		84,279		84,279		71,647		0		12,632		0		0		0		84,279		71,648		12,630	
RL-0041.R1.1 100 K Area Remediation															231		8		(1,276)		(224)		1,284		178,478		177,716		179,613		(762)		(1,897)		0		0		0		179,749		181,715		(1,966)	
b. Cost of Money															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			
d. Undist. Budget															0		0		0		0		0		0		0		0		0		0		0		0		0		0					
e. Sub Total															1,885		1,102		1,265		(783)		(163)		1,320,497		1,315,371		1,297,972		(5,127)		17,399		0		0		0		1,326,035		1,306,485		19,550	
f. Management Resrv.															0		0		0		0		0		0		0		0		0		0		0		0		0		0		0			
g. Total															1,885		1,102		1,265		(783)		(163)		1,320,497		1,315,371		1,297,972		(5,127)		17,399		0		0		0		1,326,035					
9. Reconciliation to CBB																																														
a. Variance Adjustment																																														
b. Total Contract Variance																																														

FORMAT 3, DD FORM 2734/3, BASELINE

CONTRACT PERFORMANCE REPORT														Form Approved		
FORMAT 3 - BASELINE														OMB No. 0704-0188		
1. CONTRACTOR				2. CONTRACT				3. PROGRAM				4. REPORT PERIOD				
April FY2012 - ARRA CH2M HILL Plateau Remediation Company b. LOCATION: Richland, WA				a. NAME: Plateau Remediation Contract b. NUMBER: RL14788 c. TYPE: CPAF d. SHARE RATIO:				a. NAME: Plateau Remediation Contract b. PHASE c. EVMS ACCEPTANCE NO YES X 9/18/2009				a. FROM: 2012/03/26 b. TO: 2012/04/22				
5. CONTRACT DATA																
a. ORIGINAL NEGOTIATED COST 0				b. NEGOTIATED CONTRACT CHANGE \$1,305,191		c. CURRENT NEGOTIATED COST (A + B) \$1,305,191		d. ESTIMATED COST AUTH UNPRICED WORK \$0		e. CONTRACT BUDGET BASE (C + D) \$1,305,191		f. TOTAL ALLOCATED BUDGET \$1,326,036		g. DIFFERENCE (E - F) (\$20,845)		
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																
ITEM (1)	BCWS CUM TO DATE (2)	BCWS FOR REPORT PERIOD (3)	SIX MONTH FORECAST						BUDGETED COST FOR WORK SCHEDULED (NON - CUMULATIVE)					OUT YEARS (14)	UNDISTRI BUDGET (15)	TOTAL BUDGET (16)
			+1 May-12 (4)	+2 Jun-12 (5)	+3 Jul-12 (6)	+4 Aug-12 (7)	+5 Sep-12 (8)	+6 Oct-12 (9)	FY09 (10)	FY10 (11)	FY11 (12)	FY12 (13)				
a. PM BASELINE (BEGIN OF PERIOD)	1,318,613	2,580	2,125	1,469	1,366	307	270	0	161,538	565,906	585,572	13,020	0	0	1,326,036	
b. BASELINE CHANGES AUTH DURING REPORT PERIOD None															0	
c. PM BASELINE (END OF PERIOD)	1,320,497	1,885	2,125	1,469	1,366	307	270	0	161,538	565,906	585,572	13,020	0	0	1,326,036	
7. MANAGEMENT RESERVE															0	
8. TOTAL															1,326,036	

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) 2012/03/26	
b. LOCATION (Address and ZIP Code) Richland, WA 99354		b. NUMBER RL			b. PHASE ARRA			b. TO (YYYY/MM/DD) 2012/04/22	
		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:	1,885	1,102	1,265	(783)	-41.5%	(164)	-14.8%	0.58	0.87
Cumulative:	1,320,497	1,315,371	1,297,972	(5,127)	-0.4%	17,399	1.3%	1.00	1.01
	BAC	EAC	VAC in \$	VAC in %	CPI to BAC	CPI to EAC			
At Complete:	1,326,035	1,306,485	19,550	1.5%	0.4	1.3			
Explanation of Variance/Description of Problem:									
<p>Current Period Schedule Variance: The Current Month unfavorable Schedule Variance (-\$0.8M) reflects the following:</p> <p>The RL-0011 negative variance (-\$0.6M) results from RMA/RMC D&D teams unable to effectively work planned shifts due to contamination events and recovery actions, work documents not released to support planned activities. Baseline schedule durations were predicated on an "enhanced time on tools efficiency" after January 01, 2012 which has not yet been realized. The RL-0041 negative variance (-\$0.2M) is due to backfills for Waste Sites being behind due to the activity being level loaded. Backfill will not occur until mid to late summer.</p> <p>Current Period Cost Variance: The Current Month unfavorable Cost Variance (-\$0.2M) reflects the following:</p> <p>The RL-0011 negative variance (-\$1.1M) primarily results from inefficiencies associated with issues discussed above and the limited ability to re-assign resources to other projects when events prevent work in assigned areas. Three months of TRU waste disposal cost occurring in the current period also contribute to the variance. The RL-0013 negative cost variance (-\$0.0M) is within threshold. The RL-0030 Current Month Cost Variance (-\$0.1M) is within threshold. The RL-0040 negative variance (-\$0.2M) is within reporting threshold, but due to demobilization and surveys requiring increased resources and costs for MSA fleet services (equipment rental) significantly greater than plan. The RL-0041 positive variance (+\$1.3M) is due to due to a cost transfers for work completed earlier in the fiscal year that had been inadvertently charged to ARRA. These cost transfers were processed during the month.</p> <p>Cumulative Schedule Variance: The unfavorable Cumulative Schedule Variance (-\$5.1M) is within reporting thresholds.</p> <p>Cumulative Cost Variance: The CTD favorable Cost Variance (+\$17.4M) is within reporting thresholds and reflects the following:</p> <p>The RL-0011 negative variance (-\$8.9M) is within reporting thresholds. The RL-0013 positive variance (+\$5.0M) is due to efficiencies in TRU Characterization and Shipping, TRU Repackaging, T Plant and WRAP, Mixed Low Level Waste (MLLW) efficiencies created by treating waste at Energy Solutions (ES) - Clive rather than planned treatment at PFNW due to a waiver received from the Department of Energy (DOE), Environmental Restoration Disposal Facility (ERDF) negotiated rate reduction with vendor for waste containers, partially offset by increased materials and labor costs in support of the Trench Face Retrieval and Characterization System (TFRCS), and increased resources for TRU Retrieval deteriorated waste containers, increased allocations for additional office space and other assessments as a result of allocations to Recovery Act expenditures. The RL-0030 Contract to Date Cost variance is within threshold. The RL-0040 positive variance (+\$18.5M) reflects the following: RL-0040.R1.1 U Plant/Other D&D (+\$5.9M) positive variance is due to 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. The RL-0040.R1.2 Outer Zone D&D positive variance (+\$12.6M) 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 and increased costs for the 212N/P/R Project due to the walls of the basins being much thicker than estimated. The RL-0041 negative variance (-\$1.9M) is due to higher costs for the Utilities Project than planned.</p>									

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

Impact:																		
<p>Current Period Schedule: For RL-11R.1, current period reflects a slight decline in schedule performance. For RL-0013, current period, there is no impact. For RL-0030, there are no impacts, work complete. For RL-40.R1.1, and RL-40.R1.2, there is no significant schedule impact for the current period. For RL-41.R1.1 the current period schedule impacts are the same as the CTD schedule impacts (see below).</p> <p>Current Period Cost: For RL-11.R1, cost performance reflects a slight decline in cost performance. For RL-0013, no impacts at this time. For RL-0030, there are no impacts, work complete. For RL-40.R1.1, and RL-40.R1.2, there is no significant cost impact for the current period. For RL-41.R1.1 no impacts at this time.</p> <p>CTD Schedule: For RL-11.R1, Responses were provided on the lifecycle performance measurement baseline DOE-RL review comments and BCR-011-12-002R0, <i>PFP PB R3 Update per RCR Response</i>, was implemented in March 2012 (COMPLETE). Value Engineering (VE) Study, assigned to spearhead the VE initiatives (COMPLETE). PFP will begin to develop the implementation plan (ECD April 2012). For RL-0013, CTD there is no impact. For RL-0030, there are no impacts, work complete. For RL-40.R1.1, and RL-40.R1.2, there are no significant CTD schedule impacts. For RL-41.R1.1 schedule will be monitored.</p> <p>CTD Cost: For RL-11.R1, no specific actions are planned at this time. Responses were provided on the lifecycle performance measurement baseline DOE-RL review comments, and BCR-011-12-002R0, <i>PFP PB R3 Update per RCR Response</i>, was implemented in March 2012 (COMPLETE). For RL-13, the overall positive cost impact is due to project efficiencies. For RL-0030, there are no impacts, work complete. For RL-40.R1.1, and RL-40.R1.2, there is overall positive cost impact due to project efficiencies. For RL-41.R1.1, costs will be monitored.</p>																		
Corrective Action:																		
<p>Current Period Schedule: For RL-11.R1 see CTD Schedule. For RL-0013, no corrective actions required. For RL-0030, no corrective actions required, work is complete. For RL-40.R1.1, and RL-40.R1.2 no corrective actions are required at this time. For RL-41.R1.1, the current period schedule corrective actions are the same as CTD schedule corrective actions (see below).</p> <p>Current Period Cost: For RL-11.R1 no corrections are planned. For RL-0013, no corrective actions required. For RL-0030, no corrective actions required, work is complete. For RL-40.R1.1, and RL-40.R1.2 no corrective actions are required at this time. For RL-41.R1.1, the current period cost corrective actions are the same as the CTD cost corrective actions (see below).</p> <p>CTD Schedule: For RL-11.R1, Action plans have been scheduled for all major Value Engineering initiatives and the majority of the stand-alone initiatives. For RL-0013, no corrective action required. For RL-0030, no corrective actions required, work is complete. For RL-40.R1.1, and RL-40.R1.2, no corrective actions are required at this time. For RL-41.R1.1 has implemented a baseline change request (BCR) to address additional soil contamination (realized risk). Schedule recovery actions are being evaluated 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.</p> <p>CTD Cost: For RL-11.R1, no specific actions are planned at this time. Responses will be provided on the lifecycle performance measurement baseline RL review comments in March 2012. For RL-13C.R1.1, the favorable cost variance is expected to continue. For RL-13C.R1.2, no corrective actions required. For RL-13C.R1.3, no corrective actions required. For RL-0030, no corrective actions required, work is complete. For RL-40.R1.1, and RL-40.R1.2, no corrective actions are required at this time. For RL-41.R1.1, no corrective actions are required at this time.</p>																		
Monthly Summary: (to include technical causes of VARs, Impacts, and Corrective Action(s):																		
<p>All ARRA Subproject's 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 10.5% and 15% respectively. Overall, the current period schedule and cost variances are mixed between favorable and unfavorable performance. The RL-0011 The Current Month Schedule Variance results from RMA/RMC D&D teams unable to effectively work planned shifts due to contamination events and recovery actions, work documents not released to support planned activities. Baseline schedule durations were predicated on an "enhanced time on tools efficiency" after January 01, 2012 which has not yet been realized. The RL-41.R1.1 100K Area negative cost variance is due to a cost transfer, waste disposal costs and unplanned equipment rental. No significant impacts or corrective actions noted.</p>																		
Contractually Required Cost, Schedule, EAC variance, Management Reserve Use																		
<p>Variance in Performance BAC and EAC: The variance at complete (VAC) between the BAC and EAC this month is positive \$19.5 million and 1.5%. This variance is within threshold for the Project. For information, the VAC threshold limit is +or- 5% and +or- \$15 million.</p>																		
Format 1 and 3 Contract Data:																		
<p>Contract Price Adjustments</p> <table border="1" style="width: 100%; border-collapse: collapse; margin: 0 auto;"> <tr> <th colspan="3" style="text-align: center; padding: 5px;">ARRA ONLY</th></tr> <tr> <td style="width: 50%; padding: 5px;">CPs - In Process</td><td style="width: 30%;"></td><td style="width: 20%;"></td></tr> <tr> <td style="padding: 5px;"></td><td style="padding: 5px; text-align: right;">Total Authorized Unpriced Work</td><td style="padding: 5px; text-align: center;">-</td></tr> <tr> <td style="padding: 5px;">Approved Adjustments to Contract Price (not reflected in B.4-1 Table)</td><td></td><td></td></tr> <tr> <td style="padding: 5px;"></td><td style="padding: 5px; text-align: right;">Total Negotiated Cost Changes</td><td style="padding: 5px; text-align: center;">0</td></tr> <tr> <td style="padding: 5px;"></td><td style="padding: 5px; text-align: right;">Grand Total Adjustments</td><td style="padding: 5px; text-align: center;">0</td></tr> </table>	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
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 April 2012.																		
Best/Worst/Most Likely Estimate: The Best EAC is the EAC reported this month, which assumes all efficiencies gained contract-to-date will																		

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

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

Prepared by: Project Control Staff	Date: 5/21/2012	Approved by:	Date:
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(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

Milestones

Metrics



April 2012
CHPRC-2012-04, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

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.

Milestone	Title	Type	Due Date	Actual Date	Forecast Date	Status/ Comment
DNFSB 120W	Complete Sludge Treatment	DNFSB	11/30/09			A pending Implementation Plan (IP) update will address this milestone.
M-015-70-T01	Submit Feasibility Study Report and Proposed Plan for the 100-HR-1, 100-HR-2, 100-HR-3, 100-DR-1 and 100-DR-2 Operable Units for Groundwater and Soil	TPA	11/24/11		9/25/12	Target due date missed; received RL contract direction to work toward indicated forecast date. New forecast date extension being discussed with RL to accommodate document modifications to be consistent with 100K RI/FS.
M-015-68-T01	Submit CERCLA RI/FS Report and Proposed Plan for the 100-BC-1, 100-BC-2 and 100-BC-5 Operable Units for groundwater and soil.	TPA	11/30/11		11/14/12	Target due date missed; received RL contract direction to work toward indicated forecast date. New forecast date extension being discussed with RL to accommodate document modifications to be consistent with 100K RI/FS.

Milestone	Title	Type	Due Date	Actual Date	Forecast Date	Status/ Comment
M-015-64-T01	Submit RI/FS Report and PP for 100-FR-1/2/3 and 100-IU-2/6	TPA	12/17/11		11/20/12	Target due date missed; received RL contract direction to work toward indicated forecast date. New forecast date extension being discussed with RL to accommodate document modifications to be consistent with 100K RI/FS.
M-024-58E	Initiate Discussions of Well Commitments	TPA	6/1/12			Complete
M-091-40L-034	Submit Jan-Mar 2nd Quarter Burial Ground Sample Results	TPA	6/15/12			On Schedule
M-015-110D	Submit Tc-99 Pilot Scale Treat. Study Test Rpt for 200-WA-1/BC-1	TPA	6/30/12			On Schedule
M-083-24	Submit PFP S&M Plan Pursuant to Agreement Section 8.5.4	TPA	6/30/12			On Schedule
M-091-03F	Submit Annual Revision of TRUM and MLLW PMP to Ecology	TPA	6/30/12			On Schedule
M-024-63-T01	Conclude Discussions of Well Commitments	TPA	8/1/12			On Schedule
M-016-120	GW Treatment System <50 gpm for Tc-99 Plume at S/SX Tank Farm	TPA	8/30/12			On Schedule

Milestone	Title	Type	Due Date	Actual Date	Forecast Date	Status/ Comment
M-091-40L-035	PMM Submittal Apr-Jun 3rd Qtr. FY12 Burial Ground Sample Results	TPA	9/15/12			On Schedule
M-015-62-T01	Submit FS/PP for 100-NR-1/2 OUs Including GW and Soil	TPA	9/17/12		12/13/12	Target due date will be missed: currently negotiating new forecast date with RL to incorporate document modifications to be consistent with 100K RI/FS.
M-016-172	Complete KOP Material Removal from 105-KW Fuel Storage Basin	TPA	9/30/12			On Schedule
M-085-01	Submit Change Package to Establish Date for M-85-00	TPA	9/30/12			On Schedule
M-091-40U-T01	Retrieve a Minimum of 250 Cubic Meters CH RSW in FY2012	TPA	9/30/12			To Be Missed - Activity currently not funded; letter to RL in review to request contract relief from target date.
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; letter to RL in review to request contract relief from target date.
M-091-40L-036	PMM Submittal Jul-Sep 4th Qtr. FY2012 Burial Ground Sample Results	TPA	12/15/2012			On Schedule
M-015-00D	Complete RI/FS Process by Submitting PP's for all 100 & 300 Area OUs	TPA	12/31/2012			On Schedule

Milestone	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	12/31/2012		5/22/2013	To Be Missed - EPA has requested characterization of the deep zone beneath waste sites 116-KE-1 and 116-KE-3 to support ROD issuance.
M-016-93B	Submit Implementation Workplan to Prepare TRU/TRUM Waste	TPA	12/31/2012			On Schedule
M-016-110-T01	Take Actions to Contain or Remediate Hexavalent Cr 100A GW Plumes	TPA	12/31/2012			On Schedule
M-091-44P	Designate All RH TRUM and Lrg Container CH TRUM Waste	TPA	12/31/2012			On Schedule
M-091-44Z-003	Min. Annual PMM or Qtrly Notification of Cert. of CH/RH TRUM	TPA	12/31/2012			On Schedule
C-010-22	Hanford Site Waste Mgmt Units Report Generated Annually	TPA	1/31/2013			On Schedule
M-091-40L-037	PMM Submittal Oct-Dec 1st Qtr. FY2013 Burial Ground Sample Results	TPA	3/15/2013			On Schedule
C-026-07H	Tritium Treatment Technology Developments to Ecology & EPA	TPA	3/31/2013			On Schedule

Metrics

ARRA Metrics

Sub-Project	KPP	Key Metric	Unit of Measure	Cumulative through April 30, 2012
Plutonium Finishing Plant D&D	Building 234-5Z Process and Laboratory areas ready for demolition	Glove boxes removed from 234-5Z	# Glove boxes	134
		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	42,039

Base Metrics

Measure/Units	PBS	1st Qtr	2nd Qtr	Apr	May	Jun	3rd Qtr	4th Qtr	FYTD	Contract-To-Date
Nuclear Facility Completions (# of facilities)	11/40/41	0	0	1	0	0	1	0	1	1
Radiological Facility Completions (# of facilities)	11/40/41	0	1	0	0	0	0	0	1	7
Industrial Facility Completions (# of facilities)	11/40/41	0	0	0	0	0	0	0	0	41
Remediation Complete (# of release sites)	40/41	4	0	0	0	0	0	0	4	11
PRF Canyon Pencil Tanks Removed	11	10	50	5	0	0	5	0	65	80
MultiCanister Overpacks Shipped	12	0	0	1	0	0	1	0	1	1
Settler Tubes Retrieved	12	0	0	0	0	0	0	0	0	10
Knock Out Pots Shipped	12	0	0	0	0	0	0	0	0	0
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	1	0	0	1	0	7	19
SW Ops Complex Container Inspections	13	13	13	4	0	0	4	0	30	82
Contaminated Groundwater Treated (million gallons)	30	303	287	100	0	0	100	0	690	2,664
Preventive Maintenance Packages Completed	40	100	89	83	0	0	83	0	272	747

Appendix C

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

April 2012
CHPRC-2012-04, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

M. N. Jaraysi
Vice President for
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K. G. Tebrugge
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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-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 FY12 are recycled or biobased products, or have a justified exclusion.	10/5/12	On Schedule.
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.	9/15/12	On Schedule.
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.	9/30/12	On Schedule.
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.	9/30/12	On Schedule.
12-EMS-EPC-OB1-T2	Reduce depletion of environmental resources through post-consumer material recycling.	America's Choice Motor Oil, a Biopreferred 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.	9/30/12	On Schedule.

TARGET ZERO PERFORMANCE

	Current Month	Rolling 12 Months	Comment
Days Away, Restricted or Transferred	0	0	N/A
Total Recordable Injuries	0	0	N/A
First Aid Cases	0	2	N/A
Near-Misses	1	0	A door mechanism failed on one particular type of trailer that was installed at several locations across the PRC, nearly causing a personnel injury.

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 cross-cutting services. As of April, the PRC Functional Program organizations again had no Total Recordable Injuries and have accumulated over 1,523,000 person hours worked without a recordable injury (almost two years) and over 2,727,000 person hours worked (over 3 1/2 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.
 - Continued progress with the corrective action plan associated with the CHPRC (and multi-contractor) Beryllium (Be) Characterization Project.
 - Continued to provide trainers for the IH/IHT Beryllium Work Permit training.
 - Provided technical support to Projects for Beryllium GAP training.
 - Continued interface with site occupational provider on a routine basis.
 - Conducted side by side IH monitoring in support of the site wide Asbestos concerns.
 - Provided support for the development of a respiratory protection video using the 4H peer check process (Hood, Hose, Housing, HEPA).
 - Providing support to the D&D Project for cost saving efforts by changing the respiratory protection equipment.
 - Implemented the Worker's Bill of Rights program and presented the information to CHPRC Subcontractor's at the quarterly safety meeting.
 - Supported the company initiative on the development of the site wide Hanford Site Workers Eligibility Tool (HSWET) Steering Committee.
 - Finalized the development of the Safety Improvement Plan based on Voluntary Protection Program (VPP) assessment and input from Employee Zero Accident Council (EZAC) committee members.

- Continued planning and preparation for the Hanford Site Safety EXPO.
- Supported DOE-HQ by coordinating with other Hanford site contractors to bring the Computerized Accident Incident Reporting System (CAIRS) and OSHA Recordkeeping training to Hanford.
- Prepared a site proposal for a hazard evaluation when Hanford workers perform work at off-site facilities.
- Emergency Preparedness (EP) accomplishments:
 - Twenty-one drills were performed in April; thirteen were operational drills.
 - Received RL approval of the Cold Vacuum Drying Facility Emergency Planning Hazards Assessment (EPHA) Addendum.
 - Requested RL approval for Retirement of the 209E EPHA.
 - Conducted Beyond Design Basis Drill at the Waste Encapsulation Storage Facility with RL and Defense Nuclear Facility Safety Board (DNFSB) observing.
 - Deployed the MOVERS and Talon vehicles.
- o Radiological Control accomplishments:
 - Continued to support Hanford Site Radiological Control Forum as Chairperson.
 - Completed review of five Project Radiological Control Technical Evaluations.
 - Completed CHPRC-wide implementation of electronic approval and storage of completed Radiological Survey Reports.
 - Supported site-wide initiative to transition Dosimetry and Radiological Exposure Records Services from the Pacific Northwest National Laboratory to Mission Support Alliance, LLC (MSA).
- o Operations Program accomplishments:
 - Continued to support Be CAP meetings on work control requirements.
 - Continue efforts to improve MSA interface with focus on Fire System Maintenance and consistent hazard analysis and control processes.
 - Updated 172705 technical materials for Joe Estey in preparation for teaching a session of Effective Work Planning.
 - Continued efforts to update Operations Program procedures supporting implementation of DOE O 422.1, *Conduct of Operations*.
 - Performed work control assist visit to Savannah River Nuclear Solutions in support of the Energy Facility Contractors Group (EFCOG) Integrated Safety Management/Quality Assurance Work Control subgroup.
 - Completed EFCOG Work Planning and Control Guidance Document and presented to EFCOG Board for approval.
 - Conduct of Operations Champions project representatives continuing development of conduct of operations training including a module for D&D workers to be rolled out next month. Other initiatives include conduct of operations topics discussed during morning Plan of the Day, added conduct of operations management observation programs and assessments, and adding conduct of operations items to monthly safety meetings.
 - The Conduct of Operations Champions team has proved a valuable group to exchange information and divide efforts to assist in improving conduct of operations as evidenced by very early indicators from assessments and issues management system.

- Conduct of Work Mentors are focusing on assisting projects with assessment findings, improving conduct of critiques, continued attention of mentoring field work supervisors with their responsibilities and mentoring the supervisory oversight personnel.
- o Nuclear Safety deliverables prepared and transmitted to RL in April include:
 - Safety basis document configuration management issues identified. A root cause evaluation is underway. A management directive providing an enhanced configuration management process is being issued as an immediate compensatory measure.
 - Transportation Safety:
 - Email, dated April 12, 2012, *Concurrence Internal Securement Plan for HC-21C Glovebox Based HNF-46211, Revision 1 Analysis.*
 - Documented Safety Analysis:
 - Letter, CHPRC-1201230, dated April 3, 2012, *Annual Review of the Package Specific Safety Document for Steel Drums, CHPRC-01039, Revision 1.*
 - Letter, CHPRC-1201351, dated April 4, 2012, *Transmittal of the Annual Update to the CH2M HILL Plateau Remediation Company Safety Management Programs Documented Safety Analysis.*
 - Letter, CHPRC-1201351 REISSUE, dated April 24, 2012, *Transmittal of the Annual Update to the CH2M HILL Plateau Remediation Company Safety Management Programs Documented Safety Analysis.*
 - Nuclear Safety deliverables received from RL in April include:
 - Email, dated April 4, 2012, *CE-SPA-PFNW-003-2011, Rev 1, CE-2 PFNW to 200W.*
 - Email, dated April 19, 2012, *Concurrence Internal Securement Plan for HC-21C Glovebox Based HNF-46211, Revision 1 Analysis.*
- o Performance Assurance accomplishments:
 - Issues Management Forum / Trend Working Group discussed the revisions to PRC-PRO-QA-052, *Issues Management*, to allow for further discussion of two trends identified by the Trend Working Group at the March 29, 2012, meeting. These issues are:
 - Work Package Closure
 - Compatibility / Consistency between Work Documents
 - Evaluator training was provided for a group of 13 personnel from the programs and projects, and CHPRC Responsible Manager - Issues Management was provided to six program and project personnel.
 - The SHS&Q organization provided 17 shifts of independent oversight for the Multi Container Overpack (MCO) packaging and the CVDF and Canister Storage Building operations for the final MCO of K-basin “found fuel”.
 - Continued the “Road Shows” on the CHPRC assessment procedure changes to the projects and functional organizations to facilitate understanding and implementation of the changes in preparation of the May 1st implementation.
 - Completed review of the internal audits for the first triennial interval in accordance with 10 CFR 835 and established a baseline and methodology for completion of the internal audits for the second triennial interval to ensure compliance with the 36-month requirement and maximize effectiveness of reviews.
 - Developed and approved three surveillance plans for the upcoming FY2012 10 CFR 835 internal audits of the Radiation Protection program which are planned to be performed in

- parallel to better assess the interfaces between the associated processes. The topical areas of the planned surveillances are:
- Subparts A and B, “General Provisions and Management and Administrative Requirements”
 - Subpart F, “Entry Control Program”
 - Subpart G, “Posting and Labeling”
- Developed assessment plan to be performed by independent personnel to assess the CHPRC Documented Safety Analysis Configuration Control processes at the request of senior management, to be led by the Deputy of SHS&Q. The majority of the assessment activities will be performed in May.
 - Aided in the preparation for the May 2012 corporate assessment activity that will assess the effectiveness of the Integrated Corrective Action Plan (ICAP) actions.
- o Quality Assurance Accomplishments:
 - DOE HQ Office of Civilian Radioactive Waste Management program assessment is currently being conducted.
 - Quality Systems manager invited to speak at the 2012 Facility Representative/Safety System Oversight Workshop in May. A single overview of the DOE Suspect/Counterfeit Items program will be presented and two training sessions on Suspect/Counterfeit Electronics will also be conducted.
- 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. Beryllium work permit implementation is forth coming.
 - o **Issue:** Implementation of Integrated Corrective Action Plan.
Status: Actions complete; RL closure is complete. Monitoring effectiveness of actions.
Action: Planned assessments include
 - SHS&Q-2012-MA-10730, (CH2M HILL Corporate PRC-MASS-0004), *Integrated Performance Assurance Assessment*, planned for May 2012.
 - o **Issue:** Issuance of new DOE O 458.1, *Radiation Protection of the Public and the Environment*, without implementation guide.
Status: Developing Environmental Radiation Protection Plan; RL included in J.2 attachment of PRC contract.
Action: Plan under development.
 - o **Issue:** Centralization of Project SHS&Q resources.
Status: Complete.
Action: Continuing to monitor interface with new SHS&Q organization within Projects.
 - o **Issue:** Asbestos Employee Concern.
Status: Site wide actions underway.
Action: Working with other site contractors and RL to barricade to resolve areas of concern.

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

- All FY2012 Targets are on schedule.
- EMS awareness activities continued.

Environmental Protection

- **Central Waste Complex Box 231ZDR-11:** CHPRC transmitted a proposed engineering integrity assessment plan for the 231-Z-DR-11 container at CWC, in response to Ecology's March 22 "Immediate Action" letter.
- **Hanford RCRA Site-Wide Permit Renewal:** Public comment period formally opened on May 1, and will extend until the end of September. CHPRC will be utilizing central, ECO and project staff to comment on nearly 6000 pages of permit material applying to its portion of the permit. RL's plan is to have the entire proposed permit reviewed by June 30, with the remaining three months used to consolidate and harmonize the comments, and review with legal counsels.

Environmental Quality Assurance

- **Surveillances:** Completed two surveillances: 1) Interim Status Requirements which identified one Finding and one Opportunity for Improvement (OFI), and 2) An Evaluation of HEIS and HWIS for compliance with PRC-PRO-IRM-309, which resulted in two Findings and two OFI's.
- **Management Observations:** Completed two MOPs: 1) Container Management and Labeling at CWC which resulted in one Finding, and 2) Waste Storage Compliance of 243T which resulted in no Findings or OFI's.
- **Work Site Assessments:** EP&SP-2012-WSA-11695, Well Sampling Waste Management resulted in one OFI.
- EQA performed a review of 100K Waste Site Closures and continues to support the 100K IUUP CAP.

Business Services**Acquisition Planning**

- Revised Small Business Plan per annual Prime contract update requirement. Submitted draft to RL for review.

Facilities

- The FY2012 Physical Inventory of Sensitive Property commenced in February. 4,750 items valued at \$7.2M will be inventoried. At month end 3,926 or 83% of the items have been inventoried. One loss had been initially reported (Laptop), however, the questioning attitude of Property Management personnel and a renewed search effort located the item.

Finance

- Received formal notification from RL that the CHPRC Accounting System is determined to be adequate in accordance with Federal Acquisition Regulation Part 30.
- Implemented a revised electronic Overtime notification process that automatically sends notices out each week to management identifying by employee the amount of actual overtime worked.
- Participated in a Defense Contract Audit Agency floor check audit.

Procurement

- For the month of April 2012, the Procurement group awarded 64 new contracts with a total value of

\$2.2M, amended 229 existing contracts with a total value of \$2M, for a grand total of \$4.2M. Awarded 254 new purchase orders valued at \$341.8K to support ongoing project objectives.

- As measured at the end of the first 43 months, procurement volume has been significant; \$1.9B in contract activity has been recorded with approximately 50% or \$955M in awards to small businesses. ARRA funded activity totals 37% or \$703M of the grand total. This includes 5,732 contract releases, 12,636 purchase orders, and over 196,000 P-Card transactions.

Material Services

- Created system-generated email message to Chemical Management eBOM approvers (Chemical Custodians) indicating the chemicals and quantities that arrive on site.
- Redoubled efforts to remove unwanted or unneeded material from the 2101M warehouse. This includes both Spares and Convenience Storage. Goal is to clear 20,000 square feet of space for warehouse consolidation.
- Updated the Spare Parts Website Building List from the official “Caretaker” database. This data was used, and will continue to be used, to find Spare Parts that may be assigned to demolished buildings.

Training & Procedures

- All PRC Procedures System (PPS) Phase 1 and 2 development and implementation activities will be completed to install PPS in the Test and Testing environments, ready for Acceptance Testing by July 19, 2012.
- The CHPRC-PFP implementation of Block-training at the HAMMER facility (April 23 - May 4, 2012) was completed for the approximately 150 workers expected to be trained. Coordination, scheduling, and management were superb, enabling this highly successful event. A lesson learned session will be conducted for representatives from HAMMER, PRC Training staff, and the PFP project on May 22, 2012.

Human Resources

- Mid-Year Performance Review discussions were held with CHPRC non-bargaining employees during the month of April.
- Four Benefits information sessions were held for employees and HEWT eligible subcontractors considering the Self-Select Program.
- The Facility Stipend Program was revised effective 4/1/2012. The program changes reduced the number of eligible employees by approximately 50% and established a consistent process for submittal and approval for all stipend eligible positions. The changes were communicated to those involved in the Facility Stipend process as well as the affected employees.
- Information sessions about the 2012 CHPRC Affirmative Action Plan have been conducted for Vice Presidents and Directors. These information sessions provide data related to CHPRC’s 2011 results and remind CHPRC leadership of our commitment to diversity and continuing efforts to attract a diverse talent pool. Directors and managers are expected to support CHPRC’s commitment through actions discussed in these sessions.

Information Technology & Services

- Completed conversions on 47 of the 62 CHPRC websites to the new template design and updating of content.
- In final stage of development on the new PRC Procedures System (PPS) in Microsoft SharePoint including use of workflow automation. The new system is intended to replace the existing DocsOnline application.

Prime Contract and Project Integration (PC&PI)

- In April, Prime Contracts received and processed seven (3) contract modifications (numbers 220, 223, and 224) from RL. The Correspondence Review Team reviewed and determined the distribution for 28 incoming letters and the Contract Compliance Manager reviewed 33 outgoing correspondence packages.
- Change Orders tracked in the RL FY2012 Key Performance Goal as required to be finalized within 180 days of receipt by the Contractor:
 - The Change Proposal in response to Change Order #174, *Assume Landlord Responsibilities for Surplus 200 Areas Steam Lines*, was submitted to RL on April 23, 2012.
 - The Change Proposal in response to Change Order #180, *Sludge Transfer Annex Facility Construction*, was submitted to RL on April 20, 2012. The Estimating group developed and provided responses to questions received informally from RL regarding the Change Proposal.
- The Change Proposal in response to prospective Change Order #112, *100-K Waste Sites, CSNA to RTD*, was submitted to RL on April 26, 2012. This CP was submitted to RL for information only in response to RL indicating their preference to address this prospective change through the ongoing RL/CHPRC effort to develop and agree on a 100-K Area Waste Site Changes Model.
- Work on the Change Proposal in response to Change Order #186, *Prospective Change, Change in Condition for 105 KW Garnet Filter Media Disposition*, was put on hold on March 29, 2012 pending the outcome of discussions with RL on overall funding levels in FY2013.
- The Estimating group supported the Demolition, Waste, Fuels & Remediation Services (DWF&RS) Project for the following:
 - Addressing RL comments on D&D activities basis of estimate in the Revision 3 Performance Measurement Baseline;
 - Discussions with RL regarding excavation productivity rates in estimates of future 200 Area Waste Sites work. The analysis supported closure of comments received from RL on the Revision 3 Performance Measurement Baseline basis of estimate;
 - Development of a budget estimate in support of the newly identified potential ARRA RL-040.R1.4 Asbestos Abatement Buy-back Project. This project, if implemented, would support Asbestos remediation efforts;
 - Development of a Mission Needs, Critical Decision 0, Class IV estimate for Cesium and Strontium Capsule Management; and
 - Reviewing the cost estimate associated with CHPRC-1200190A R1, Business Case Analysis for Offsite Shipment of Category 1 Special Nuclear Material at Hanford Site, prior to its approval. The review identified several areas in the preliminary cost estimate that were duplicative and resulted in a reduction in the final cost estimate.
- The Estimating group supported Engineering, Project Management, and Construction Project (EPC) in the evaluation of bids received from subcontractors, through the generation of a Fair Cost estimate for the 100 KE Reactor Interim Secure Storage Project.
- Initiated a follow up Management Assessment (MA) to MA PC&PI-2011-MA-10558, CHPRC Plateau Remediation Contract Change Management Processes and Deliverables. The purpose of the follow up assessment, which is scheduled to be completed by May 30, 2012, is to assess the effectiveness of the process improvements implemented in response the conclusions of the original MA.
- Successfully implemented contract modification #220 which fully aligned contract Table B.4 values with the Performance measurement Baseline (PMB).

- Initiated pre-planning for developing the FY2013 annual PMB update.

Engineering, Projects and Construction (EPC)

- Central Engineering (CE) and the Sludge Treatment Project (STP) prepared, approved, and published the KW Annex Final Design Review Report. Review was provided by a multi-disciplinary team made up of Central Engineering, 100K, STP, and functional support personnel.
- CE supported Waste and Fuels & Environmental Program & Strategic Planning in developing the response to the Department of Ecology's Immediate Action Letter Regarding Central Waste Complex Facility "12-NWP-039" regarding the 231-Z-DR-11 mixed-waste container contamination issue. CE provided an Independent, qualified, professional engineer licensed in the State of Washington to perform a structural integrity assessment of the 231-Z-DR-11 mixed waste container and an engineering assessment plan to Ecology for review and approval.
- CE completed the analysis of the 200W Pump & Treat (P&T) facility's flanged mechanical joint assembly fit-up of SST gasket ring between lug butterfly valves and elastomeric bellows to determine the structural integrity of the gasket rings. This effort is in support of the resolution of NCR CHPRC-2012-00000070.
- CE participated in the meeting with DOE ORP, PNNL, & WRPS for the review and update of the current probabilistic flood hazard assessment for the Hanford Site as part of the 10 year review and update of Natural Phenomena Hazard (NPH) as required by DOE O 420.1.
- CE assisted a CH2MHill Nuclear Business Group information security operations team by providing DMCS and HISI information on CHPRC project distributed control and SCADA systems to assist with a cyber-security assessment.
- CE chaired the Energy Facilities Contractors Group (EFCOG) Engineering Practices Working Group (EPWOG) semi-annual meeting in Washington D.C May 1-2. The meeting, held in the Forrestal Building, included presentations from the Chief of Nuclear Safety, the Chief of Defense Nuclear Safety, the Director of HSS-30, a representative from the DNFSB Liaison Office, the Director of EM Safety, and the Director of HSS responsible for policies and procedures. Additional discussions included plans for the preparation of Best Practices/White Papers associated with Code of Record and Commercial Grade Dedication. Meeting minutes are posted on the EPWOG web page.
- CE provided input to the 200W P&T Project on the feasibility of testing pressure relief valves (PRV) while in place on pressure vessels and pressure piping verses removing PRVs and sending valves to a testing facility.
- CE assisted 200W P&T Project Electrical DA in completing as-built walk downs on heat trace, lighting/receptacle, and power plan electrical drawings.
- CE assisted the 200W P&T Project to evaluate conduit labeling requirements for turnover punch list items.
- CE completed the STP, KW Annex project 90% Design Review Comment Records (RCRs) closure and provided input to the Final Design Review Report.
- CE is continuing to provide support to 200W P&T Project on ASME B31.3 code requirements (pressure relief devices, design pressures, and leak test requirements) as they relate to the chemical injection systems.
- CE evaluated the contractual requirements and technical need for installing additional electrical ground connections to protect against electromagnetic interference at the 200W P&T Facility.
- CE assisted the 200W P&T Project in resolution of inconsistencies between issued circuit breaker setting spreadsheets, single-line diagrams, and as-built walk downs. CE and 200W P&T personnel



review of the documents determined that a recent revision of the circuit breaker spreadsheet changed circuit breaker settings for 5 circuit breakers (out of 45) that were not updated in the field. 200W P&T personnel are working with the originators of the documents.

- CE is in the process of performing a Work Site Assessment covering weld inspection activities. Assessment activities are scheduled to complete by the end of May.
- CE assisted PFP with AHJ evaluation and approval of a non-NRTL certified LED light. The light was procured for its high luminosity and low heat output for workers in the pencil tank cutting area. CE originated an AHJ approval package, CHPRC-2012-08, that was AHJ approved based on a satisfactory AHJ evaluation.
- CE completed a draft revision to PRC-PRO-EN-24208, HEPA Filter System Degradation Evaluation Process the procedure is in the formal review cycle and will be released following resolution of any comments.

CE participated in turnover activities for the 200W P&T Project electrical power study.

Communications

Internal

- Changed the production schedule and format for the employee news broadcast InSite. Videos are produced on a biweekly basis.
- Produced five issues of the Weekly Update news bulletin, accompanied by blog messages from Terry Vaughn, vice president of Safety, Health, Security and Quality; Kimberly Tebrugge, director of Communications; and John Lehew, president and chief executive officer.
- Produced a video demonstrating a new training program on the Plutonium Finishing Plant Closure Project for the safe use of respiratory equipment.
- Published two issues of the workforce restructuring bulletin providing up to date information, schedules and resources for employees.
- Held an all-hands meeting for all CHPRC employees on April 25 where the leadership team shared recent project accomplishments and addressed employees' questions and concerns.

Media

- Supported RL with response to the waste box at the Central Waste Complex.
- CHPRC President John Lehew spoke at an event celebrating Washington State University receiving approval of its four-year civil engineering bachelor's degree to be offered at the Tri-Cities campus.
- Efficiency and cost savings in groundwater treatment capabilities was featured in the EM Update newsletter.
- Supported RL with media (press release, fact sheet, video, photos, social media) for the completed demolition of the 2736-ZB vault complex, release of the PFP chapter of the Hanford Story, and the final shipment of irradiated fuel from the K West Basin.
- Continued development of a trailer to support tours to PFP, including displays and production of a PFP chapter of the Hanford Story.

Public Involvement

- Developed an asbestos update briefing for the Hanford Advisory Board Health, Safety and Environmental Protection committee.
- Briefed RL on the draft communications plan to support the rollout of the River Corridor decision documents. RL approved the plan and it is now being implemented.

- Provided input for RL's agency update briefing to the Hanford Advisory Board.
- Developed and issued a fact sheet and newspaper ad to support the public involvement process for Proposed changes to Hanford's Facility Resource Conservation and Recovery Act (RCRA) Permit for the Liquid Effluent Retention Facility and Effluent Treatment Facility and 400 Area Waste Management Unit.

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	8.9	8.9	8.1	0.0	0.0%	0.8	8.5%	110.9
Communications	0.1	0.1	0.1	0.0	0.0%	0.0	17.5%	1.2
Safety, Health, Security and Quality	1.0	1.0	1.0	0.0	0.0%	0.0	(0.8%)	12.1
Environmental Program and Strategic Planning	0.3	0.3	0.3	0.0	0.0%	(0.1)	(22.7%)	3.6
Business Services	6.5	6.5	6.0	0.0	0.0%	0.5	8.2%	80.7
Prime Contract and Project Integration	0.8	0.8	0.5	0.0	0.0%	0.3	32.3%	9.8
Engineering, Projects and Construction	0.3	0.3	0.3	0.0	0.0%	0.0	10.2%	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: (+\$0.8M/8.5%)

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	412.3	412.3	388.1	0.0	0.0%	24.0	6.2%	1030.2
Communications	7.7	7.7	7.1	0.0	0.0%	0.6	9.0%	14.8
Safety, Health, Security and Quality	61.0	61.0	66.1	0.0	0.0%	(5.0)	(7.6%)	120.7
Environmental Program and Strategic Planning	12.2	12.2	12.1	0.0	0.0%	0.1	0.7%	30.3
Business Services	276.5	276.5	252.7	0.0	0.0%	23.8	9.4%	738.6
Prime Contract and Project Integration	34.0	34.0	29.5	0.0	0.0%	4.4	14.9%	83.9
Engineering, Projects and Construction	20.9	20.9	20.8	0.0	0.0%	0.1	0.5%	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: (+\$24.0M/+6.2%)

In FY2009 through FY2011, the positive variance for PRC G&A and D&D activities was distributed by weighted percentage to the Base and ARRA PBSs. For FY2009, the variance resulted from lower than expected G&A costs due to company level and Other Hanford Pass-back, lower assessments from MSA for Other Provided Services to PRC, and with a labor underrun in project support staff related to ARRA Ramp up (+\$17.3M). For FY2010, the positive cost variance (+\$5.5M) was primarily attributed to disallowed FY2009 and FY2010 Home Office costs, underruns in the Retiree Insurance Program, and estimating software earned but not yet purchased; offset by lower than planned G&A from the projects due to delays in capital projects. The FY2011 positive cost variance of \$0.4M was primarily due to lower pension plan contribution, lower retiree insurance premiums and higher G&A from GPP/CENRTC projects. This was offset by increased staffing to support safety and work control programs, increased beryllium program costs, cost of radiation protection program equipment, and increased construction program support due to higher FY2011 construction activity. 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 (+\$1.8M) is due to a partial Pension payment pending receipt of full funding from RL.

Baseline Change Requests

BCRA-PRC-12-014R0 – Decommissioning, Waste, Fuels and Remediation Services – FOC Changes

BCRA-030-12-019R0 – RL-30 April 2012 General Administrative Changes

BCRA-000-12-006R0 – EPC FOC Update

BCRA-PRC-12-013R0 – TPA Milestones M-037-03 & M-085-01

(\$M)

	FYTD	FY2012
Total Distribution	(58.8)	(100.3)
<u>Total Liquidation (Over)/Under</u>	<u>1.5</u>	<u>7.2</u>
G&A Distribution	(36.0)	(61.5)
G&A Liquidation (Over)/Under	2.9	6.8
DD Distribution	(22.8)	(38.8)
DD Liquidation (Over)/Under	(1.4)	0.5

Liquidation Analysis

For FY 2012, Project Services and Support (PS&S), is being distributed via rates applied to total direct cost. For the month of April, application of the G&A and DD rates has under liquidated the PS&S accounts by a total of \$1.5M. The FY2012 year end projected liquidation assumes an increase in the PS&S cost as well as a decrease in the G&A base, which results in an under liquidation projection of \$7.2M.

Consistent with CHPRC prospective Cost Accounting Disclosure Statement Revision 6, under liquidations would be distributed to users at a minimum, when the combined (including Continuity of Service (COS) and Absence Adder rates) projected year end under liquidation is equal to or greater than \$4M. Over liquidations would be distributed to users at a minimum, when the combined projected year end over liquidation is equal to or greater than \$6M. Variances may be liquidated to users at lower thresholds if variances are determined to be significant to cost control. All remaining variances will be distributed at fiscal yearend.

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.