CH2MHILL
Plateau Remediation Company

Monthly Performance Report

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President and Chief Executive Officer

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November 2011

CHPRC-2011-11, Rev. 0

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EXECUTIVE SUMMARY

CHPRC completed a major project milestone in November, transmitting Revision 3 of the FY2013-FY2018 Performance Measurement Baseline (PMB) on schedule. The PMB comprises the technical documentation, schedule, and cost estimates that support implementation of the scope of work contained within the CHPRC contract. The plan is used to align the CHPRC contract and baseline and is the basis for future prioritizations and funding requests.

The first of six buildings to be demolished at the PFP vault complex

The Plutonium Finishing Plant (PFP) cleanup footprint is about to shrink as the Decommissioning and Demolition (D&D) team began demolishing the facility's six-building vault complex (more than 20,000 square feet of facilities). The demolition project marks the completion of several months' work by the PFP crews who decontaminated and decommissioned the facilities. Preparations included removing contaminated equipment from the buildings and cleaning out and removing large, sealed, glove box containers that once allowed plant employees to handle nuclear materials safely when the plant was operating.

The Engineering, Project and Construction team continued progress on the 200 West Groundwater Treatment Facility, the last and largest Pump and Treat system slated for construction. Construction acceptance testing for the facility's S/SX transfer station is nearly complete.

Through November, the Waste & Fuels Management Project (W&FMP) team completed 225 of 256 100-gallon puck drums at T Plant; 16 were determined to be transuranic waste and 29 remain to be assayed. WFMP also completed the five-year fire tank inspection at Canister Storage Building using the diving contractor.

The Soil & Groundwater Remediation Project set a new record in November for treating the most contaminated groundwater in a month. The project treated a record 100 million gallons of groundwater, more than has been treated at the Hanford Site in a month since treatment systems began operating in the 1990s. The amount is equivalent to more than 150 Olympic-size swimming pools.

Samples of hexavalent chromium extracted from wells at the 100 Area.

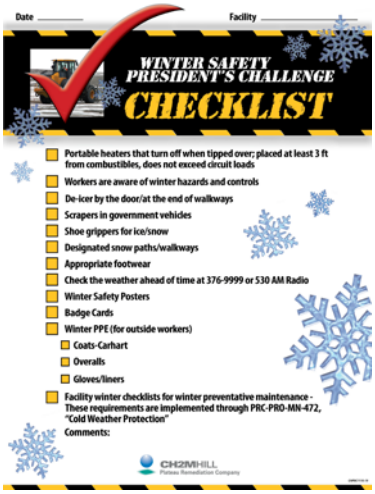
Focus on Safety

The November President's Zero Accident Council (PZAC) meeting was hosted by the Safety, Health, Security & Quality organization. The principal themes for the meeting were:

- Winter Safety 2011
- Holiday Fire Safety
- Good News Stories

The safety share for the November PZAC was a review of this year's winter safety focus. Topics included in the safety share were preparing homes and vehicles for winter hazards, proper attire to keep the winter chill away, and methods for traversing snow and ice, both by foot and by car. In addition, the safety share addressed actions needed to prepare CHPRC facilities for winter and protect occupants. Contacts for Hanford and State road conditions were also provided. The safety share was followed by an update on winter clothing purchasing requirements, safe tips for ice and snow shoveling, and guidelines to prevent holiday fires. Holiday fire prevention techniques and practices were provided to avoid common mistakes made when installing Christmas trees, hanging decorative lights, cooking meals and lighting candles.

The injury and illness performance metrics presentation brought a celebration as it was announced that there were no CHPRC Recordable or DART cases for the first time in several months, resulting in the lowest case rates of the year. The PZAC was brought to close by revealing the Winter Safety 2011 communication theme, a VPP update, and Good News Stories, which was dominated by the Soil & Groundwater Remediation Group (S&GRP). The S&GRP organization boasted reaching more than 1 million person hours without a lost work day, raising over $5000 for coworkers in need, and recognizing veterans with a Veteran's Day celebration. Five "*Thinking Target Zero*" bulletins were published in November to provide information on the following topics:

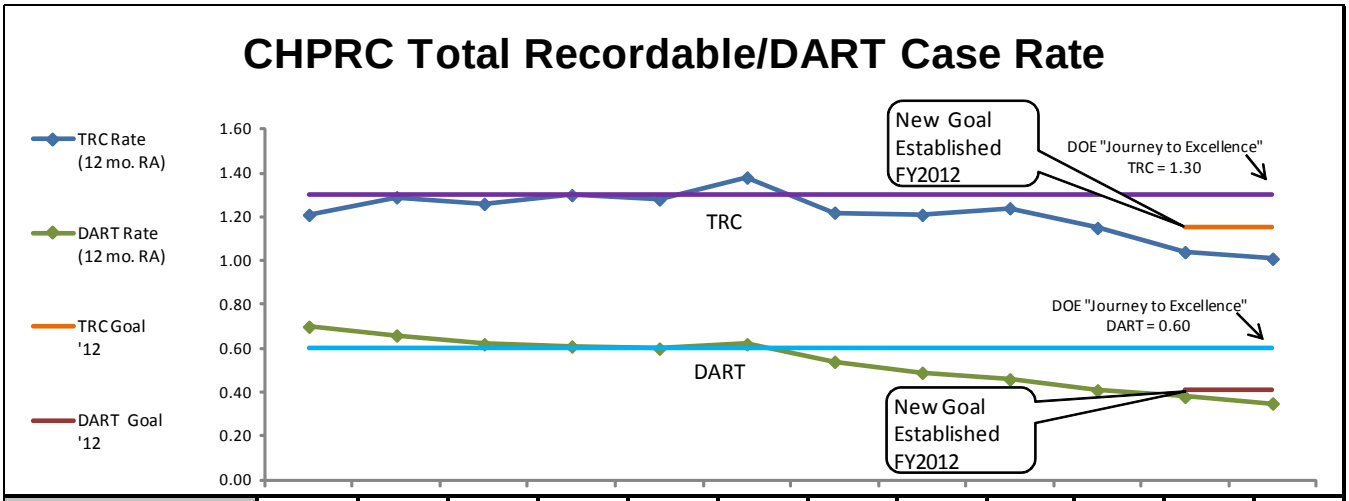


- Respecting Fire Lanes
- Hanford Fire Department Response Expectations
- Winter Facility Preparations
- Winter Ready Your Home
- Preventing Winter Hazards

Four *Weekly Safety Tailgate* briefing packages were issued in November to convey the following important topics and safety messages: diabetes prevention and management, safety signs and postings, avoiding deer and elk on Hanford roadways, personal protective equipment procurement requirements, hard hat recycling, adhering to and supporting the tenets of Mothers Against Drunk Driving, sustaining a safe attitude, re-establishing focus on safe work following a long holiday, and summaries of injuries, illnesses, and close calls.

TARGET ZERO PERFORMANCE
November 2011

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

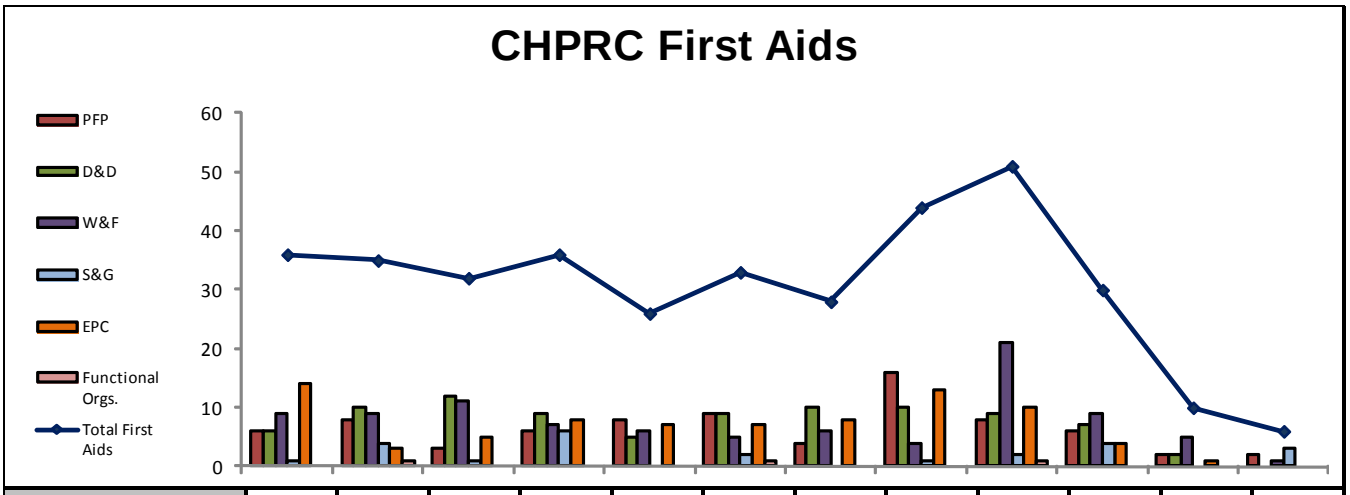


	Dec-10	Jan-11	Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11
PFP	0	0	0	0	0	0	1	0	0	0	0	0
D&D	3	3*	1	2*	1*	1	0	1*	1	1*	0	0
W&F	0	1*	0	1	1	4*	2	1	1*	1	0	0
S&G	0	2	0	0	1	0	0	0	0	0	0	0
EPC	2	0	1	2	1	1	0	1	2*	1	0	0
Functional Orgs.	0	0	0	0	0	0	0	0	0	0	0	0
Recordable Cases	**5**	**6***	**2**	**5***	**4***	**6***	**3**	**3***	**4***	**3**	**0**	**0**
DART Cases	**3***	**0**	**0**	**3***	**2**	**2***	**3**	**0**	**0**	**1***	**0**	**0**
TRC Rate (12 mo. RA)	**1.21**	**1.29**	**1.26**	**1.30**	**1.28**	**1.38**	**1.22**	**1.21**	**1.24**	**1.15**	**1.04**	**1.01**
DART Rate (12 mo. RA)	**0.70**	**0.66**	**0.62**	**0.61**	**0.60**	**0.62**	**0.54**	**0.49**	**0.46**	**0.41**	**0.38**	**0.35**

Total Recordable Injury Case (TRC) Rate – The 12 month rolling average TRC rate of 1.01 is based upon a total of 41 recordable injuries. There were no Recordable cases in November.

Days Away, Restricted or Transferred (DART) Workdays Case Rate – The 12 month rolling average DART rate of 0.35 is based upon a total of 14 cases (6 Restricted, 8 Days 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.



	Dec-10	Jan-11	Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11
PFP	6	8	3	6	8	9	4	16	8	6	2	2
D&D	6	10	12	9	5	9	10	10	9	7	2	0
W&F	9	9	11	7	6	5	6	4	21	9	5	1
S&G	1	4	1	6	0	2	0	1	2	4	0	3
EPC	14	3	5	8	7	7	8	13	10	4	1	0
Functional Orgs.	0	1	0	0	0	1	0	0	1	0	0	0
Total First Aids	**36**	**35**	**32**	**36**	**26**	**33**	**28**	**44**	**51**	**30**	**10**	**6**

First Aid Case Summary – CHPRC reported six first-aid cases reported in November. The biggest contributors were three sprains, strains and/or pains from awkward positions and a fall on ice, two contusions from a pinch point and contact with an object, and one puncture wound from broken glass.

KEY ACCOMPLISHMENTS

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

RL-0011 Nuclear Materials Stabilization and Disposition

Disposition PFP (234-5Z) Facility – ARRA

In Remote Mechanical A Line Room 235B, the removal of the 26” vacuum line and permanent exhaust to glovebox HA-23S was completed. Mobilization began in the 212-Z lay down yard to mock up the assembly of the two large gantry cranes that will be used to separate glovebox HA-23S.

RMA Line Room 235A-1, glovebox HA-14DC was removed from the glovebox line. Planning was finalized to reorient the glovebox in Room 235A-1 to facilitate removal from the room and eventual loading into a SLB2 container.

In RMA Line Room 235A-3 the mechanical isolation of glovebox HA-7A continued.

In RMC Line Room 230A, the internal wipe downs of gloveboxes HC-21C and HC-2 were completed and both gloveboxes were prepared for chemical decontamination.

Analytical Laboratory

Bulk Area Cleanup activities for the lab are substantially complete; all identified contaminated piping and E4 ducting systems have been removed. Chemical disposition work has now been completed. The only items remaining for disposition are to finish removal of a contaminated-equipment storage area in A-Lab. Work is now scheduled for completion by the middle of December 2011.

Disposition PFP (234-5Z) Facility

Process vacuum piping removal is 30 percent complete with 1,210 total feet removed.

A total of 592 feet of chemical piping transfer line has been removed.

No additional asbestos-containing material on piping was removed during the month of November. The total remains at 15,228 feet of asbestos removed to date.

2736Z/ZB Vault Complex

Two buildings in the 2736-ZB complex were demolished and loaded-out, 2731-ZA and 2736-ZC.

Base

Disposition PFP Facility

The Conditions of Approval contained in the DOE-RL Safety Evaluation Report approving the 291-Z exhaust fan Evaluation of the Safety of the Situation (ESS) last September included direction to convert the ESS into a detailed Justification for Continued Operation that included: 1) an enhanced inspection, testing, and maintenance program for the confinement ventilation system; and 2) the plan and schedule for restoring 291-Z exhaust fans to fully, unrestricted operable status. The requested JCO was submitted to RL via letter CHPRC-1104667 R1 on November 28. Troubleshooting on the canyon crane in September confirmed that the trolley cable had failed.

Plutonium Reclamation Facility (PRF)

Canyon entries were made to complete the replacement of the damaged trolley cable reel. A bumper guard and trolley cable roller was installed to avoid a reoccurrence of the damage to the trolley cable. After inspection, the crane was returned to service on November 8, 2011.

RL-0012 Spent Nuclear Fuel Stabilization and Disposition

The KOP Processing System (KPS) Formal Design Review Report and Final Design Report were both finalized in the month. The CHPRC Project Review Board approved the KOP Disposition Subproject to advance to the KPS Equipment Installation & Commissioning Phase. The updated Special Packaging Authorization (SPA) Evaluation Checklist (SEC) for the KOP payload, which includes the supporting analysis showing how the package satisfies the requirements of the F-SPA, was submitted to DOE-RL for approval. The SEC was updated to respond to DOE-RL's comments.

RL-0013 Waste and Fuels Management Project

ARRA

MLLW Treatment

Completed disposition of 60.5m3 of ARRA funded mixed and/or low-level waste (M/LLW).

TRU Retrieval

Completed three ERDF Roll-Off/Roll-On waste shipments to the Environmental Restoration Disposal Facility (ERDF) from burial ground 12B.

Remediated High Contamination Area (HCA) in burial ground 4B to the point of final painting activities.

TRU Repackaging

Continuing 2404WB Decontamination work.

Completed repack of two Hanford Engineering Development Laboratory (HEDL) sludge drums in Transuranic Waste (TRU) Glovebox.

T-Plant Layup Activities

Completed compaction efforts for 442 empty parent drums in 221-T Canyon.

Base

Project Management

Completed W&FMP FY2013-FY2018 Performance Measurement Baseline (PMB) submittal.

Capsule Storage & Disposition

Installed hose reel to wagon in support of 282B sampling.

Performed beryllium sampling on the electrical switchgear (awaiting results).

Replaced block heaters on 225B-DG-1 (cold weather protection).

Central Waste Complex (CWC)

Shipped 27 TRU-Project dropout M/LLW waste packages from the CWC to Perma-Fix Northwest (PFNW) for final disposition.

Received 28 SWBs and 24 drums of transuranic waste.

Liquid Effluent Facilities

Received four tankers (calendar year [CY] 484k gallons).

Treated effluent to State-Approved Land Disposal Site: 1M gallons (CY 17M).

200A Treated Effluent Disposal Facility (TEDF) discharged 973k gallons (CY 13M).

Received Environmental Restoration Disposal Facility (ERDF) leachate (111k gallons) at Liquid Effluent Retention Facility (LERF) Basin 44 (CY 1.8M).

Continued operating the 310 Retention Transfer System (RTS): 24 batches; CY 777k gallons

Shipped 40 powder drums from Basin 44 to ERDF.

RL-0030 Soil and Groundwater Remediation

Base

GW Remedy Implementation

Continued working through the remaining construction punch-list items. Completed Radiological Building site work and concrete apron. Completed BIO Building and BIO Pad floor penetrating sealant installation and all process system and influent piping system flush.

Injections Wells: ATP complete.

Operations

Integration and Assessments

Chaired an integrated River Corridor/Central Plateau Senior Management (RL and contractors) meeting that provided direction on the 300 Area Proposed Plan, the path forward to evaluate the status of work remaining in the River Corridor following final ROD approval, and pending policy for coal ash sites.

Technical Integration

DOE O 435.1 Assessments: The Composite Analysis and Integrated Disposal Facility annual status reports have had internal draft review comments incorporated and the decisional drafts are in technical publications.

Submitted the Tier 2 ecological Preliminary Remediation Goal (PRG) report (CHPRC-01311) to clearance, following incorporation of DOE comments.

River Corridor

Received DOE RI/FS Report comments starting in early November, with the final comments received on November 23, 2011.

Delivered the Decisional Draft Proposed Plan to RL on November 14, 2011(TPA M-015-72-T01 due December 31, 2011).

Central Plateau

Construction of the S-SX extraction system (Ojeda) continued. Transfer building ATP was performed and a final punch-list issued. All mechanical and electrical rack were fabricated and placed at the well heads and are undergoing ATP placement and testing of the above-ground pipelines was completed. All 3 extraction wells are complete.

Drilling/sampling of 23 permanent extraction and/or injection wells is complete. Wells C8068, C8069, and C8386 are at depths of 482 ft (TD), 524 (TD), and 447.5 ft.

RL transmitted the Draft A 200-IS-1 OU RFI/CMS & RI/FS Work Plan to the Regulatory Agencies on November 10, 2011 (TPA M-015-90 due December 31, 2011).

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

ARRA

U Canyon Demolition and Cell 30 Disposition

Completed demobilization of the 221U Canyon grout batch plant and grout pump equipment.

209E Project

Completed pre-demolition work activities.

Completed demolition of the Administrative Building, Storage Area, Equipment Room, Change Room and Mix Room.

Completed removal of the highly contaminated Poly sheets from the Mix Room and the highly contaminated shroud and accumulated contamination from the Mix Room.

200W Project

Continue demobilization. All ERDF containers have been shipped.

Base

Outer Zone D&D

Completed Annual Surveillance of PUREX facilities. Removed/Rebuilt/and Replaced two PUREX vacuum pumps to give us three efficient pumps.

Completed repairs to PUREX exhaust fans to ensure redundancy was maintained.

The RARA team in cooperation with Ground Water continued working annual surveillance of the BC crib area.

Completed 26 of 27 scheduled PMs and surveillances.

RL-0041 Nuclear Facility D&D, River Corridor

ARRA

Continued demolition of 190KW Main Pump House.

Continued load-out of 183.2KE Basin sediment.

Continued with asbestos abatement of 105KE tunnel.

Continued with erecting of scaffolding and demolition preparation of 183.7 Structure.

Base

The conceptual design/construction specifications for the 105KE Reactor Disposition ISS SSE were completed. Initial review of the conceptual design began in November.

The Verification Sampling Instructions (VSI) and Sampling for Area AA Zone 3 was approved. Backfill for Area AA Zone 3 was completed as anticipated in November.

The Area AA Zone 4 VSI was completed in November. The backfill for Area AA Zone 4 was also completed as anticipated in November.

Area AG Zone 2 Modification of Road for JLG was completed. This is in preparation for work starting on 105KE Reactor building for temporary reactor sealing's.

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 oil made contact with the drive belt. The facility implemented required casualty response actions and the fire was extinguished. Normal ventilation for the facility was shutdown and backup steam turbine driven exhaust fans were placed in service. Per Technical Safety Requirement (TSR), the facility was placed in a "Terminate Activities" mode which halted all D&D activities.

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. This is the final report on this issue.

Issue – On Sunday, July 24, 2011, the trolley on the PRF canyon crane failed during movement to retrieve the counter balance to install the Tank 23 strongback. A loud noise was heard from inside the canyon when the crane motion switch was moved to either the east or west directions.

Corrective Actions – Canyon entries were made to complete the replacement of the damaged trolley cable reel. A bumper guard and trolley cable roller was installed to avoid a reoccurrence of the damage to the trolley cable. After inspection, the crane was returned to service on November 8, 2011. This is the final report on this issue.

RL-0012 Spent Nuclear Fuel Stabilization and Disposition

No major issues to report this month.

RL-0013 Waste and Fuels Management Project

No major issues to report this month.

RL-0030 Soil and Groundwater Remediation

No major issues to report this month.

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

Issue: The final end state of 6652L needs to be provided by RL so that the planning on how to proceed can be started. This is specifically in regards to the significant amount of asbestos which is left in the facility.

Corrective Action: Definition of end state/regulatory agreements is required in writing.

Status: Work on hold until end state decision can be made, which also impacts the estimate and schedule for the project.

RL-0041 Nuclear Facility D&D, River Corridor

Issue – RL-0041 Waste Site Remediation will probably not be able to complete the remediation work scope tied to waste sites 100-K-57 and 100-K-64 by December 31, 2012. The sites are located in an area of extreme cultural sensitivity. The inability to complete this work by December 31, 2012, is being driven by the lack of an approved cultural resources mitigation action plan.

Corrective Action – Move these waste sites from TPA Phase 1 to TPA Phase 3.

Status – CHPRC drafted a TPA change package for RL to present to EPA for approval that will move these waste sites from TPA Phase 1 to TPA Phase 3. RL presented the change package to EPA, but EPA is not inclined to move the sites into a later TPA Phase.

RL-0042 Fast Flux Test Facility Closure

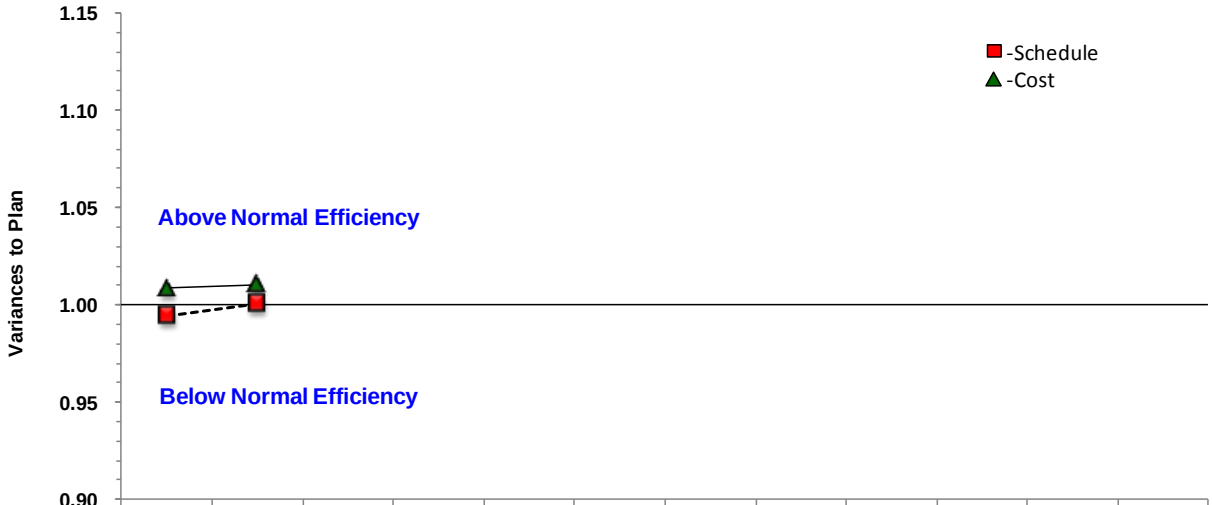
Issue – Roof leaks have developed that require repairs beyond normal patches.

Corrective Action – Allocation of funds was approved to pursue needed major repairs for the roofs.

Status – Repairs continued in November.

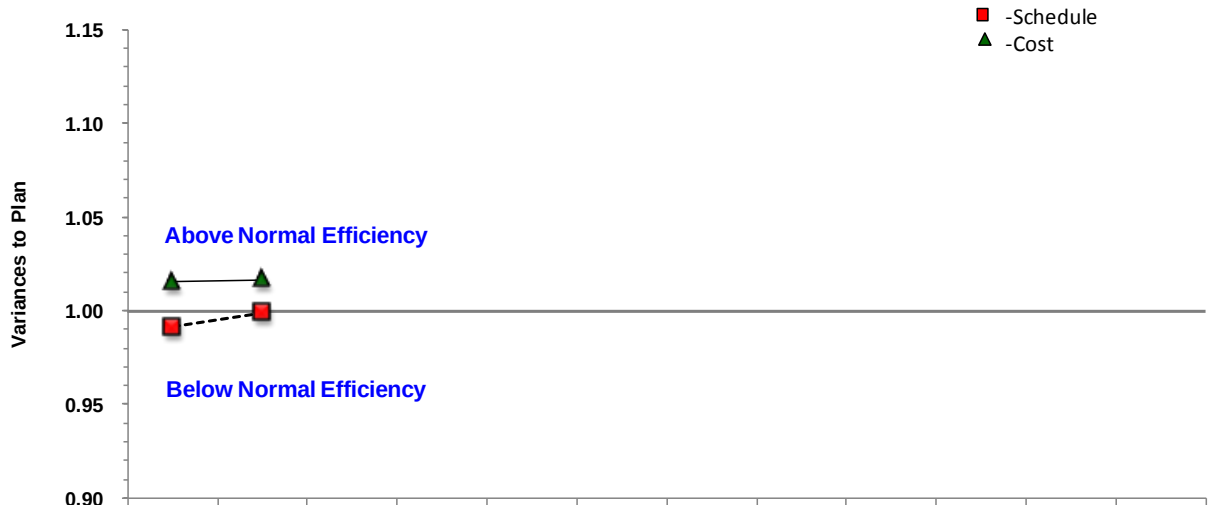
EARNED VALUE MANAGEMENT

Schedule and Cost Performance - ARRA and Base



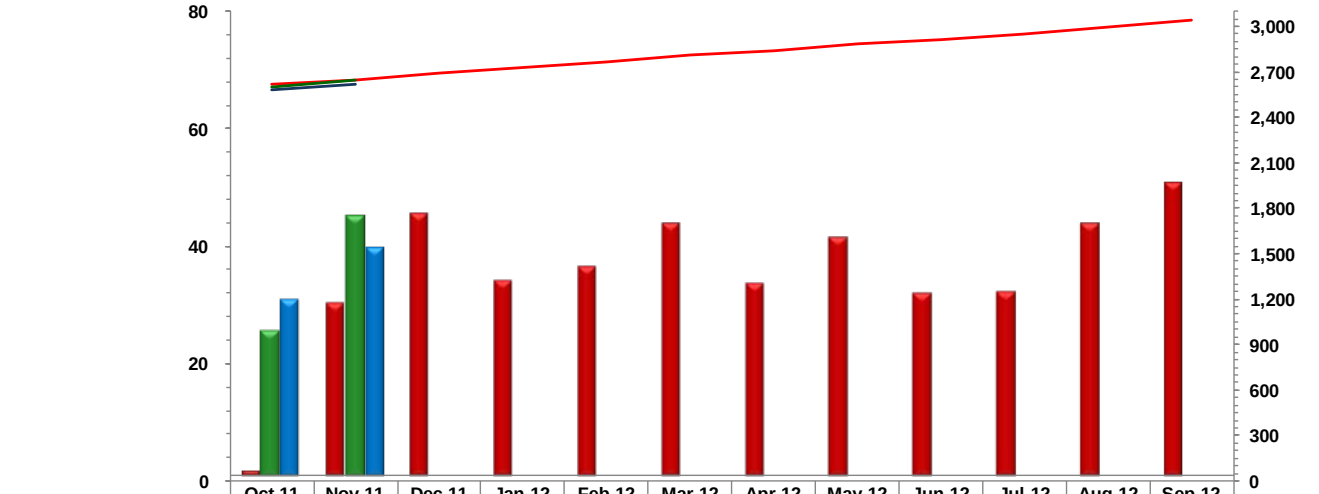
	Oct-11	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12
MONTHLY SPI	12.97	1.49										
MONTHLY CPI	0.84	1.14										
CTD SPI	0.99	1.00										
CTD CPI	1.01	1.01										

Schedule and Cost Performance - ARRA



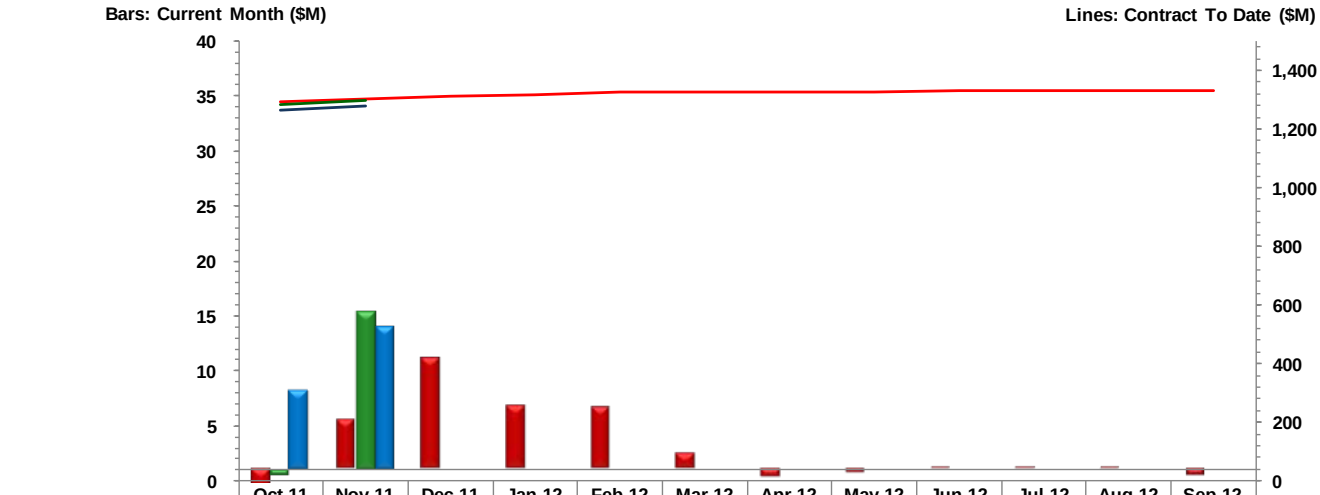
	Oct-11	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12
MONTHLY SPI	(0.03)	2.78										
MONTHLY CPI	0.06	1.09										
CTD SPI	0.99	1.00										
CTD CPI	1.02	1.02										

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 BCWS	2.0	30.4	45.6	34.2	36.4	43.9	33.8	41.6	32.0	32.2	43.9	50.9
MONTHLY BCWP	25.7	45.1										
MONTHLY ACWP	30.8	39.6										
CUMULATIVE BCWS	2,617.5	2,647.9	2,693.5	2,727.8	2,764.2	2,808.1	2,841.9	2,883.5	2,915.5	2,947.7	2,991.6	3,042.5
CTD BCWP	2,603.4	2,648.6										
CTD ACWP	2,581.2	2,620.8										

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 BCWS	(18.4)	5.5	11.0	6.8	6.7	2.4	0.2	0.6	1.1	1.1	1.1	0.4
MONTHLY BCWP	0.5	15.2										
MONTHLY ACWP	8.2	13.9										
CUMULATIVE BCWS	1,294.7	1,300.1	1,311.1	1,317.9	1,324.6	1,327.0	1,327.3	1,327.9	1,329.0	1,330.1	1,331.2	1,331.5
CTD ACWP	1,263.4	1,277.3										
CTD BCWP	1,283.4	1,298.7										

Performance Analysis – November

ARRA Performance by PBS

$M

	Current Period				
	Budgeted Cost		Actual Cost	Variance	
	BCWS	BCWP	ACWP	Schedule	Cost
RL-0011 - PFP D&D	9.6	10.5	9.6	0.9	0.9
RL-0013 - MLLW Treatment	(1.1)	0.7	0.9	1.8	(0.1)
RL-0013 - TRU Waste	0.7	0.8	0.9	0.1	(0.1)
RL-0030 - GW Capital Asset	0.0	0.0	(0.6)	0.0	0.6
RL-0030 - GW Operations	0.0	0.0	0.2	0.0	(0.2)
RL-0040 - U Plant/Other D&D	(0.1)	0.8	1.7	1.0	(0.9)
RL-0040 - Outer Zone D&D	(4.8)	(0.4)	0.1	4.4	(0.5)
RL-0041 - 100K Area Remediation	1.2	2.7	1.1	1.5	1.7
Total	5.5	15.2	13.9	9.7	1.3

ARRA

The Current Month favorable Schedule Variance: (+$9.7M) reflects:

- The RL-0011 positive variance (+$0.9M) is primarily a result of a point adjustment of BCWS/BCWP following implementation of BCR-PRC-12-001R0, *FY2012-FY2018 Lifecycle Update, PRC Baseline Revision 3.* Partially offset by RMA/RMC schedule delays resulting from unavailable resources continuing to support higher priority work scope that is taking longer than expected.
- The RL-0013 positive variance (+$1.9M) reflects the following subproject performance:
  - RL-0013 MLLW Treatment (+$1.8M) and RL-0013 TRU Waste (+$0.1M) positive variances is primarily due to the implementation of the Rev 3 PMB which rephased MLLW treatment of TRU Retrieval dropouts (to out years), coupled with schedule recovery for TRU Retrieval Layup.
- The RL-0030 variance (+$0.0M) is within reporting thresholds.
- The RL-0040 positive variance (+$5.4M) that reflects the following subproject performance:
  - ARRA RL-0040.R1.1 U Plant/Other D&D (+$1.0M) The positive variance is within reporting threshold.
  - ARRA RL-0040.R1.2 Outer Zone D&D (+$4.4M) The positive variance is due to the implementation of Rev. 3 BCR this month.
- The RL-0041 positive variance (+$1.5M) is due to the following:
  - Waste Sites (+$0.0M) The positive variance is within reporting thresholds.
  - 100K Area Project Facilities and Others (+$1.5M) The positive variance is due to progress being accomplished on the demolition of 190KW based on previous experience with the demolition of

the 190KE structure. In addition, the KW Annex demolition was accelerated due to a change in the method of performance.

The Current Month favorable Cost Variance (+$1.3M) is within reporting thresholds and reflects:

- The RL-0011 positive variance (+$0.9M) is due to the following:
  - Primarily results from the PMB Offset processed this period, which increased BCWS and BCWP on adjusted FY2011 activities. This is offset by the transfer of prior period costs associated with extended ARRA work scope from base-funded work packages, recognized inefficiencies, higher use of MSA brokered craft, and the extended use of resources and overtime to complete more complex work scope.
- The RL-0013 negative variance (-$0.2M) is due to the following subproject performance:
  - RL-0013 MLLW Treatment (-$0.1M) and RL-0013 TRU Waste (-$0.1M) negative variances are primarily due to additional effort required to complete layup activities coupled with start-up anomalies which will require corrections from ARRA to base-funded work scope.
- The RL-0030 positive variance (+$0.4M) that exceed the reporting thresholds reflect the following subproject performance:
  - ARRA RL-0030.R1.1 GW Capital Asset (+$0.6M) is within reporting thresholds and is due to the following:
    - 200-ZP-1 OU (+$0.6M) Due to closeout costs on contracts credit value based on actual being less than accrual and credits from contractors.
  - ARRA RL-0030.R1.2 GW Operations (-$0.2M) The negative variance is within reporting thresholds and due to:
    - 200-ZP-1 OU (-$0.2M) Due to contract closeout costs during the month.
- The RL-0040 negative variance (-$1.4M) that reflects the following subproject performance:
  - ARRA RL-0040.R1.1 U Plant/Other D&D (-$0.9M) and ARRA RL-0040.R1.2 Outer Zone D&D (-$0.5M) variances are within reporting thresholds.
- The RL-0041 positive variance (+$1.7M) is due to the following:
  - Waste Sites (+$0.2M) The positive variance is within reporting thresholds.
  - 100K Area Project Facilities and Others (+$1.5M) The positive cost variance is due to less resources being utilized for 190KW than planned.

Base Performance by PBS

$M

	Current Period				
	Budgeted Cost		Actual Cost	Variance	
	BCWS	BCWP	ACWP	Schedule	Cost
RL-0011 - Nuclear Materials Stab & Disp PFP	2.8	3.1	(0.1)	0.3	3.2
RL-0012 - SNF Stabilization & Disposition	3.8	5.9	7.6	2.1	(1.7)
RL-0013 - Solid Waste Stab & Disposition	6.1	6.2	5.4	0.0	0.8
RL-0030 - Soil & Water Rem-Grndwtr/Vadose	9.7	11.5	11.3	1.8	0.1
RL-0040 - Nuc Fac D&D - Remainder	0.8	0.9	0.8	0.1	0.1
RL-0041 - Nuc Fac D&D - RC Closure Project	1.6	2.3	0.6	0.7	1.7
RL-0042 - Nuc Fac D&D - FFTF Project	0.1	0.1	0.1	0.0	0.1
Total	24.9	29.9	25.7	5.0	4.2

Base

The Current Month favorable Schedule Variance (+$5.0M) reflects:

- The RL-0011 positive variance (+$0.3M) is primarily a result of adjusted BCWS/BCWP following implementation of BCR-PRC-12-001R0, *FY2012-FY2018 Lifecycle Update, PRC Baseline Revision 3*. This is partially offset by PRF schedule delays resulting from unavailable resources continuing to support higher priority work scope.
- The RL-0012 positive variance (+$2.1M) is primarily due to the point adjustments related to implementation of PMB-3 (BCR-PRC-12-001R0) in November. Prepared for a December implementation, with the eventual implementation in November a larger point adjustment resulted.
- The RL-0013 positive variance (+$0.0M) is within reporting thresholds.
- The RL-0030 positive variance (+$1.8M) The primary contributors that exceed the reporting thresholds reflect the following subproject performance:
  - RL-0030.1 RL 30 Operations (+$1.5M) positive variance is due to the following:
    - 100 NR-2 Operable Unit (+$0.7M) The primary drivers to the variance are barrier expansion work being planned in FY13 that is being performed this year and a point adjustment for the implementation of BCR-PRC-12-001, PMB Rev3 which adjusted for RD/RA work that was re-planned into FY13.
    - Regulatory Decisions & Closure Integration (+$0.4M) Is due to the point adjustment as the result of implementing BCR-PRC-12-001, PMB Rev 3. The BCR re-planned CERCLA documents into the out years due to funding.
  - RL-0030.C1 GW Remedy Implementation (+$0.4M) positive variance is due to the following:
    - 200 ZP-1 Operable Unit (+$0.6M) The overall Sludge Stabilization System is behind schedule. However, performance taken in November was for BCWS planned in prior months therefore resulting in a current month positive schedule variance. As additional work is completed the overall contract to date behind schedule position will improve.

- The RL-0040 positive variance (+$0.1M) is within reporting thresholds.
- The RL-0041 positive variance (+$0.7M) is due the following:
  - Waste Sites (+$0.9M) The positive variance is within reporting threshold.
  - 100K Area Project Facilities and Others (-$0.2M) The negative variance is within reporting threshold.
- The RL-0042 positive variance (+$0.0M) is within reporting thresholds.

The Current Month favorable Cost Variance (+$4.2M) reflects:

- The RL-0011 positive variance (+$3.2M) primarily results from the PMB Offset processed this period, which increased BCWS and BCWP on adjusted FY2011 PRF activities. This is offset by the transfer of prior period costs associated with extended ARRA work scope from base-funded work packages. Without the adjustment, there is a favorable variance of $0.4M.
- The RL-0012 negative variance (-$1.7M) is primarily due to the point adjustments related to implementation of PMB-3 (BCR-PRC-12-001R0) in November. Prepared for a December implementation, with the eventual implementation in November a larger point adjustment resulted.
- The RL-0013 positive variance (+$0.8M) is due to a correction in workforce restructuring allocation, resources deferred to higher priority layup activities coupled with start-up anomalies which will require corrections from ARRA to base-funded work scope.
- The RL-0030 positive variance (+$0.1M) The primary contributors that exceed the reporting thresholds reflect the following subproject performance:
  - RL-0030.01 RL 30 Operations (+$2.5M) The positive variance is due to the following:
    - GW Monitoring & Performance Assessments (+$0.3M) A contract accrual for surface geophysical logging was not made as the contract had been incorrectly coded as complete in passport. The coding has been corrected and an accrual will be made in December.
    - 100 NR-2 Operable Unit (+$0.7M) Performing the accelerated expansion barrier work scope more efficiently than expected and the impact of the point adjustment as a result of the implementation of BCR-PRC-1-001, PMB Rev3 (de-blending resources and other rate impacts associated with the expansion barrier work scope).
    - 100 HR-3 Operable Unit (+$0.4M) Is due to S-SX construction activities. Total UP-1 work scope is expected to be completed at or near total contract budget.
    - Regulatory Decisions and Closure Integration (+$0.3M) Result of completing IS-1 and SW-2 work plans more efficiently than planned.
    - 200-ZP-1 Operable Unit (+$0.3M) Cost for performing general operating and maintenance and minor modification activities for the interim treatment facility were significantly lower than planned as the system has been running very smoothly.
  - RL-0030.C1 GW Remedy Implementation (-$2.4M) The negative variance is due to:
    - 200-ZP-1 Operable Unit (+$0.3M) FY year-end contract changes caused accrual issues in October. The November accrual covers both months and resulted in a negative cost variance for the period.
- The RL-0040 positive variance (+$0.1M) is within reporting thresholds.
- The RL-0041 positive variance (+$1.7M) is primarily due to the following:

- Waste Sites (+$1.1M) The positive cost variance is due to subcontracts under accrued for the month.
- 100K Area Project Facilities and Others (+$0.6M) The positive variance is within reporting thresholds.

- The RL-0042 positive variance (+$0.1M) is within reporting thresholds. The variance reflects reduction in surveillance and maintenance requirements.

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	271.5	270.3	277.2	(1.2)	(6.9)	293.6	299.3	(5.7)
RL-0013 - MLLW Treatment	47.3	47.7	42.4	0.4	5.2	47.7	42.9	4.8
RL-0013 - TRU Waste	256.0	255.5	254.7	(0.5)	0.8	256.7	255.0	1.7
RL-0030 - GW Capital Asset	175.0	175.0	174.4	0.0	0.6	175.0	174.4	0.6
RL-0030 - GW Operations	92.1	92.1	89.3	(0.0)	2.9	92.1	89.3	2.9
RL-0040 - U Plant/Other D&D	198.3	197.4	191.2	(0.9)	6.2	199.4	192.4	7.0
RL-0040 - Outer Zone D&D	84.3	84.3	71.7	0.0	12.6	87.3	75.1	12.2
RL-0041 - 100K Area Remediation	175.6	176.4	176.4	0.8	(0.1)	179.7	181.7	(1.9)
Total	1,300.1	1,298.7	1,277.3	(1.5)	21.3	1,331.5	1,309.9	21.6

ARRA

The CTD unfavorable Schedule Variance (-$1.5M/-0.1%) is within reporting thresholds and reflects:

- The RL-0011 negative variance (-$1.2M) is within reporting thresholds.
- The RL-0013 negative variance (-$0.1M) is within reporting thresholds and due to the following subprojects:
  - RL-0013 MLLW Treatment positive variance (+$0.4M) and RL-0013 TRU Waste negative variance (-$0.5M) is primarily due to early completion of MLLW returns is offset by delays in Layup activities.
- The RL-0030 positive variance (+$0.0M) is due to the following subproject performance:
  - RL-0030.R1.1 GW Capital Asset (+$0.0M) Scope is complete. The variance is within threshold.
  - RL-0030.R1.2 GW Operations (-$0.0M) Scope is complete. The variance is within threshold.
- The RL-0040 negative variance (-$0.9M) primary contributors that exceed the reporting thresholds are as follows:
  - RL-0040.R1.1 U Plant/Other D&D (-$0.9M) The negative variance is due to delays with the 209E Project.
  - RL-0040.R1.2 Outer Zone D&D (+$0.0M) The positive variance is within reporting thresholds.
- The RL-0041 positive variance (+$0.8M) is within reporting thresholds and is due to the following:
  - Waste Sites (+$0.0M) The positive variance is within reporting thresholds.

- 100K Area Project (+$0.8M) The positive variance is due to progress being accomplished on the demolition of 190KW based on previous experience with the demolition of the 190KE structure. In addition, the KW Annex was accelerated due to work stoppage in the Basin which allowed resources to be diverted to the Annex.

The CTD favorable cost variance (+$21.3M/+1.6%) is within reporting thresholds and reflects:

- The RL-0011 negative variance (-$6.9M) is within reporting thresholds.
- The RL-0013 positive variance (+$6.0M) reflects the following subproject performance:
  - RL-0013 MLLW Treatment (+$5.2M) and TRU Waste (+$0.8M) positive variances 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, decreased operations costs at Low Level Burial Grounds (LLBG), efficiencies in Large Type A waste container shipments to PFNW and in Mixed Waste Disposal Trenches (MWDT) upgrades, 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 (+$3.5M) reflects the following subproject performance:
  - RL-0030.R1.1 GW Capital Asset (+$0.6M) positive variance is within reporting thresholds.
  - RL-0030.R1.2 GW Operations (+$2.9M) 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 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 (-$1.8M) The negative variance was driven by increased Project Services Distribution to RL-0030.
    - PBS RL-0030 UBS, G&A and DD (+$0.5M) is within reporting thresholds.
- The RL-0040 positive variance (+$18.8M) reflects the following subproject performance:
  - ARRA RL-0040.R1.1 U Plant/Other D&D (+$6.2M) 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) (+$4.2M); overhead allocations (+$11.5 M), less than anticipated resources for Program Management (+$2.4M) and C-3 Sampling (+$0.7M); lower than planned costs for capital equipment (D4) (+$3.0M), and less asbestos abatement required for 200W buildings (+$3.5M) and minor accounts not within threshold (+0.2M). 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) (-$8.2M), coupled with increased insulator staff and the use of overtime to recover schedule, 200E Administration (-$1.7M) and 209E Project delays (-$4.9M), less resources required at U Canyon (D4) (-1.1M), and Usage Based Services higher than planned (-$3.4M).

- ARRA RL-0040.R1.2 Outer Zone D&D (+$12.6M) The favorable cost variance is due to efficiencies in Arid Lands Ecology (ALE), North Slope Facilities, disposition of railcars D&D (+$7.0M), and Outer Area waste sites (+$6.7M). 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 (-$1.1M) due to the walls of the basins being much thicker than estimated.

- The RL-0041 negative variance (-$0.1M) is due to the following:
  - Waste Sites (+$8.8M) – 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 (-$8.9M) – The negative variance is due to numerous design changes and additional punch list items in the Utilities Reroute project; this has 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	162.5	161.9	164.6	(0.6)	(2.7)	595.6	597.2	(1.6)
RL-0012 - SNF Stabilization & Disposition	260.2	261.8	262.3	1.7	(0.5)	625.6	624.7	0.9
RL-0013 - Solid Waste Stab & Disposition	325.2	324.5	331.7	(0.7)	(7.1)	1,523.8	1,530.8	(7.0)
RL-0030 - Soil & Water Rem-Grndwtr/Vadose	437.3	436.4	445.2	(0.8)	(8.8)	1,231.2	1,243.5	(12.3)
RL-0040 - Nuc Fac D&D - Remainder	70.1	70.2	62.1	0.1	8.1	683.5	667.6	15.9
RL-0041 - Nuc Fac D&D - RC Closure Project	80.2	82.7	66.7	2.5	16.0	312.8	301.4	11.4
RL-0042 - Nuc Fac D&D - FFTF Project	12.3	12.3	10.9	0.0	1.3	25.4	24.1	1.3
Total	1,347.8	1,349.9	1,343.4	2.1	6.5	4,997.9	4,989.2	8.7

Base

The CTD favorable Schedule Variance (+$2.1M/-0.2%) is within reporting thresholds and reflects:

- The RL-0011 negative variance (-$0.6M) is within reporting thresholds.
- The RL-0012 positive variance (+$1.7M) the combined 100K and STP variances are within reporting thresholds.

- The RL-0013 negative variance (-$0.7M) is within reporting threshold. The negative variance is due to Canister Storage Building (CSB) engineering activities delayed due to resource availability (assigned to higher priority activities).
- The RL-0030 negative variance (-$0.8M) reflects the following subproject performance:
  - RL-0030.01 RL 30 Operations (+$1.9M) The positive variance is due to:
    - 100 NR-2 Operable Unit (+$2.5M) The positive variance has resulted from performing barrier expansion and sampling support that was planned in FY2013, being performed in FY2011 and FY2012.
  - RL-0030.C1 GW Remedy Implementation (-$2.7M) The negative variance is within reporting threshold.
    - 200 ZP-1 Operable Unit (-$2.7M) The negative variance is due to delays associated with Sludge Stabilization System subcontractor submittals, fair cost estimates, award of contracts and design changes.
- The RL-0040 positive variance (+$0.1M) is within reporting thresholds.
- The RL-0041 positive variance (+$2.5M) is due to the following:
  - Waste Sites (+$2.3M) The positive variance is due to CSNA sites that were completed ahead of schedule partially offset by delays related to demolition of the 105KE Fuel Storage Basin discharge chute and the 100K Area utility switchover.
  - 100K Area Project (+$0.2M) The positive variance is within reporting thresholds.
- The RL-0042 positive variance (+$0.0M) is within reporting thresholds.

The CTD favorable Cost Variance (+$6.5M/+0.5%) is within reporting thresholds and reflects:

- The RL-0011 negative variance (-$2.7M) is within reporting thresholds.
- The RL-0012 negative variance (-$0.5M) The combined 100K and STP variances are within reporting thresholds.
- The RL-0013 negative variance (-$7.1M) is due to:
  - 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 (-$8.8M) primary contributors that exceed the reporting thresholds are as follows:
  - RL-0030.01 RL 30 Operations (-$4.1M) The negative variance can be attributed to:
    - Integration & Assessments (+$3.8M) 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 (-$2.3M) Radiological contamination encountered on two NR-2 wells has caused additional HPT delays and additional support resource requirements (HPTs). In order to recover schedule additional well drilling rigs have been 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) 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 (-$3.6M) Primary contributors to the negative cost variance are due to100 DX extensive effort required to design the pH adjustment system, cost overruns in completing the OU Remedial Process Optimization studies, 100 DX higher than expected cost to complete acceptance test plan and the operational test plan, cost of realigning wells from DR-5 to 100 DX, 100 HX Construction cable cost increased due to increases in copper prices and additional time and resources being spent on internal CERCLA (RI/FS) document development that will be recovered in completed Draft A document.
- 200 PW-1 OU (+$0.9M) 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 (-$1.4M) 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.

o RL-0030.C1 GW Remedy Implementation (-$4.6M) the negative variance can be attributed to:

- 200-ZP-1 Operable Unit (-$4.6M) 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. 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 (+$8.1M) is primarily due to recognized efficiencies for demolition of the Industrial 7 Project (D4) (+$1.1M) as a result of utilization of existing site equipment and materials, surveillance and maintenance costs (D4) less than expected (+$1.9M), completion of the sampling of Cell 30 with less resources than planned (+$0.9M), Program Management utilizing less resources (+$2.2M), capital equipment (+$0.3M), Usage Base Services (-$0.4M) and underrun in overhead allocations (+$2.1M).
- The RL-0041 positive variance (+$16.0M) cost variance is within established reporting thresholds. The project is currently experiencing impacts associated with:

- Waste Sites (+$12.1M) The positive 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) (+$3.9M) The positive cost variance is due to105KE Reactor Disposition – ISS underrun as well as G&A and Direct Distributables.

- The RL-0042 positive variance (+$1.3M) 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)

		FY 2012		
PBS	Project	Projected Funding	Spending Forecast	Variance
RL-0011	Nuclear Materials Stabilization and Disposition	33.4	33.4	0.0
RL-0013	Waste and Fuels Management Project	4.6	4.6	0.0
RL-0030	Soil, Groundwater and Vadose Zone Remediation	0.6	0.6	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	100.6	93.1	7.5
RL-0012	Spent Nuclear Fuel Stabilization and Disposition	86.9	82.6	4.3
RL-0013	Waste and Fuels Management Project	88.3	86.0	2.3
RL-0030	Soil, Groundwater and Vadose Zone Remediation	121.1	116.5	4.6
RL-0040	Nuclear Facility D&D, Remainder of Hanford	12.2	11.8	0.4
RL-0041	Nuclear Facility D&D, River Corridor	36.1	35.0	1.2
RL-0042	Fast Flux Test Facility Closure	2.0	1.8	0.2
	Total Base:	**447.2**	**426.7**	**20.5**

Funds/Variance Analysis:

ARRA funding reflects FY2011 carryover funds. 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 $405.1M. The Base funding distribution by PBS was revised based on Revision 3 of the Performance Measurement Baseline.

BASELINE CHANGE REQUESTS

In November 2011, CHPRC approved and implemented two (2) baseline change requests (BCRs), of which one (1) was administrative in nature and did not change scope, schedule or budget. The two change requests are described in the table below:

Change Request #	Title	Summary of Change
Implemented into the Earned Value Management System for November 2011		
BCR-PRC-12-001R0	*PRC Baseline, Rev. 3*	As directed by RL, in accordance with Section C.3.1.2.2 of the Contract Statement of Work, and consistent with the RL guidance provided in RL letter 11-PIC-0037, "Contract No. DE-AC06-08RL14788 – Transmittal of Target Profile for Baseline Implementation", dated July 8, 2011, this change request provides the Stage 2 FY2013-FY2018 Performance Measurement Baseline Deliverable C.3.1.2.2-2 for RL review and approval. The reason/purpose of this submittal is to provide RL an updated Performance Measurement Baseline (PMB) that aligns to the contract scope which adheres to the RL current target funding profile for Fiscal Years (FY) 2012-2018. This CHPRC PMB submittal includes provisions for management reserve (to be provided under separate cover) and is considered "revision three" of the PMB.
BCRA-030-12-004R0	*November 2011 Admin BCR*	This BCR modifies the CAM responsible for work scope to align with approved and implemented organizational changes with-in S&GRP.

Overall the contract period performance measurement baseline (PMB) budget is ***decreased*** ($280.2) million in November 2011. In November 2011 management reserve (MR) is reduced in the amount of ($135.6) million in fiscal year (FY) 2011 through (FY) 2018.

Management Reserve Activity

BCR Number	Title	Fiscal Year	MR (ARRA) & PBS	MR (Base) & PBS
BCR-PRC-12-001R0	*PRC Baseline, Rev. 3*	2012 – 2018	RL-011/ RL-013/ RL-040/ RL-041/ Note: ARRA is 2012 only ($15.2M)	RL-011/ RL-013/ RL-030/ RL-040/ RL-041/ RL-042/ ($120.4M)
Overall MR Change in November 2011 – ($135.6M)				

Fee adjustments in November 2011 resulted in a $7.5M increase.

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 November 2011, is a ***decrease*** of ($343.4M) million and is summarized by fiscal year in the tables below (dollars in thousands, negative number represents reduction):

November 2011 Summary of Changes to Estimated Contract Price

	FY2009	FY2010	FY2011	FY2012	FY2013	FYs 2009-2013	FYs 2014-2018	Contract Period Total	Post Contract Total	Total PMB
October 2011 Estimated Contract Price										
PMB	653,426	960,017	1,002,105	396,643	862,611	3,874,802	2,734,649	6,609,451	0	6,609,451
Mgmt Rsrv (MR)	0	0	25,174	11,287	31,226	67,687	155,220	222,907	0	222,907
Fee	39,712	48,772	32,322	16,969	17,521	155,296	87,417	242,713	0	242,713
Total	***693,138***	***1,008,789***	***1,059,601***	***424,899***	***911,358***	***4,097,785***	***2,977,286***	***7,075,071***	***0***	***7,075,071***
Change by Funding Source to Estimated Contract Price in November 2011										
PMB										
ARRA										
All ARRA WBSs	0	0	0	2,141	0	2,141	0	2,141	0	2,141
Base										
All Base WBSs	0	0	0	28,127	-388,166	-360,039	77,870	-282,169	64,797	-217,372
Change to PMB	***0***	***0***	***0***	***30,268***	***-388,166***	***-357,898***	***77,870***	***-280,028***	***64,797***	***-215,231***
MR										
ARRA										
All ARRA WBSs	0	0	-15,218	0	0	-15,218	0	-15,218	0	-15,218
Base										
All Base WBSs	0	0	-9,956	400	-20,739	-30,295	-90,151	-120,446	0	-120,446
Change to MR	***0***	***0***	***-25,174***	***400***	***-20,739***	***-45,513***	***-90,151***	***-135,664***	***0***	***-135,664***
Fee										
ARRA										
All ARRA WBSs	0	0	0	0	0	0	0	0	0	0
Base										
All Base WBSs	0	0	0	31	479	511	6,983	7,494	0	7,494
Change to Fee	***0***	***0***	***0***	***31***	***479***	***511***	***6,983***	***7,494***	***0***	***7,494***
Total Change	***0***	***0***	***-25,174***	***30,699***	***-408,426***	***-402,900***	***-5,297***	***-408,197***	***64,797***	***-343,400***
November 2011 Estimated Contract Price										
PMB	653,426	960,017	1,002,105	426,911	474,445	3,516,904	2,812,519	6,329,424	64,797	6,394,221
MR	0	0	0	11,687	10,487	22,174	65,069	87,243	0	87,243
Fee	39,712	48,772	32,322	17,000	18,000	155,807	94,400	250,207	0	250,207
Total	***693,138***	***1,008,789***	***1,034,427***	***455,598***	***502,932***	***3,694,885***	***2,971,989***	***6,666,874***	***64,797***	***6,731,671***

Changes to/Utilization of Management Reserve in November 2011

		FY2009	FY2010	FY2011	FY2012	FY2013	FY2009-2013	FY2014-2018	Total
Management Reserve (MR) - End of October 2011									
ARRA	RL-0011.R1	0	0	2,981	0	0	2,981	0	2,981
	RL-0013.R1.1	0	0	0	0	0	0	0	0
	RL-0013.R1.2	0	0	51	0	0	51	0	51
	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	4,111	0	0	4,111	0	4,111
	RL-0040.R1.2	0	0	0	0	0	0	0	0
	RL-0041.R1	0	0	8,075	0	0	8,075	0	8,075
	ARRA Total	***0***	***0***	***15,218***	***0***	***0***	***15,218***	***0***	***15,218***
Base	RL-0011	0	0	2,000	5,500	8,000	15,500	0	15,500
	RL-0012	0	0	3,000	2,000	4,500	9,500	16,800	26,300
	RL-0013	0	0	1,500	500	5,000	7,000	55,530	62,530
	RL-0030	0	0	0	2,832	4,400	7,232	32,000	39,232
	RL-0040	0	0	3,242	200	4,979	8,421	31,900	40,321
	RL-0041	0	0	214	200	4,287	4,701	17,990	22,691
	RL-0042	0	0	0	55	60	115	1,000	1,115
	Base Total	***0***	***0***	***9,956***	***11,287***	***31,226***	***52,469***	***155,220***	***207,689***
	MR Total	***0***	***0***	***25,174***	***11,287***	***31,226***	***67,687***	***155,220***	***222,907***
Changes to/Utilization of Management Reserve in November2011									
ARRA	RL-0011.R1	0	0	-2,981	0	0	-2,981	0	-2,981
	RL-0013.R1.1	0	0	0	0	0	0	0	0
	RL-0013.R1.2	0	0	-51	0	0	-51	0	-51
	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	-4,111	0	0	-4,111	0	-4,111
	RL-0040.R1.2	0	0	0	0	0	0	0	0
	RL-0041.R1	0	0	-8,075	0	0	-8,075	0	-8,075
	ARRA Total	***0***	***0***	***-15,218***	***0***	***0***	***-15,218***	***0***	***-15,218***
Base	RL-0011	0	0	-2,000	0	-3,000	-5,000	8,100	3,100
	RL-0012	0	0	-3,000	-400	-2,700	-6,100	-7,848	-13,948
	RL-0013	0	0	-1,500	0	-4,600	-6,100	-33,843	-39,943
	RL-0030	0	0	0	0	-2,368	-2,368	-18,361	-20,729
	RL-0040	0	0	-3,242	0	-4,779	-8,021	-23,643	-31,664
	RL-0041	0	0	-214	800	-3,287	-2,701	-13,814	-16,515
	RL-0042	0	0	0	0	-5	-5	-741	-746
	Base Total	***0***	***0***	***-9,956***	***400***	***-20,739***	***-30,295***	***-90,151***	***-120,446***
	MR Total	***0***	***0***	***-25,174***	***400***	***-20,739***	***-45,513***	***-90,151***	***-135,663***
Management Reserve - End of November 2011									
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	500	400	900	21,687	22,587
	RL-0030	0	0	0	2,832	2,032	4,864	13,639	18,503
	RL-0040	0	0	0	200	200	400	8,257	8,657
	RL-0041	0	0	0	1,000	1,000	2,000	4,176	6,176
	RL-0042	0	0	0	55	55	110	259	369
	Base Total	***0***	***0***	***0***	***11,687***	***10,487***	***22,174***	***65,069***	***87,243***
	MR Total	***0***	***0***	***0***	***11,687***	***10,487***	***22,174***	***65,069***	***87,243***

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 Contracts + Purchase Orders + Pcard 10/1/08 -11/30/2011							
	ARRA		BASE		Total $	Total %	Goal
	$	%	$	%			%
SB	$380,625,874	52.05%	$557,078,624	48.51%	$937,704,499	**49.89%**	49.30%
SDB	$78,069,996	10.68%	$94,626,404	8.24%	$172,696,400	**9.19%**	8.20%
SWOB	$86,587,190	11.84%	$103,380,249	9.00%	$189,967,439	**10.11%**	7.50%
HUB	$21,664,050	2.96%	$21,374,618	1.86%	$43,038,668	**2.29%**	2.20%
VOSB	$53,830,568	7.36%	$58,280,884	5.08%	$112,111,452	**5.96%**	3.50%
SDVO	$12,319,692	1.68%	$18,055,323	1.57%	$30,375,015	**1.62%**	1.30%
NAB	$16,259,450	2.22%	$9,930,019	0.86%	$26,189,469	1.39%	0.00%
Large	$239,990,433	32.82%	$297,105,299	25.87%	$537,095,732	28.57%	0.00%
GOVT	$116,890	0.02%	$1,429,133	0.12%	$1,546,022	0.08%	0.00%
GOVT CONT	$110,490,722	15.11%	$289,660,665	25.22%	$400,151,387	21.29%	0.00%
EDUC	$9,526	0.00%	$107,491	0.01%	$117,017	0.01%	0.00%
NONPROFIT	$37,188	0.01%	$2,840,348	0.25%	$2,877,535	0.15%	0.00%
FOREIGN	$28,773	0.00%	$160,271	0.01%	$189,044	0.01%	0.00%
Total	**$731,299,405**		**$1,148,385,207**		**$1,879,684,612**		

Projection to FY18	
Planned Subcontracting*	$2,524,483,195
Contract-to-date awards	$1,879,684,612
Bal remaining to award =	$644,798,583
Goal award $	**Bal to goal $**
$1,244,570,215	$306,865,716
$207,007,622	$34,311,222
$189,336,240	($631,199)
$55,538,630	$12,499,962
$88,356,912	($23,754,540)
$32,818,282	$2,443,267
** 10-year subcontracting projection*	
PRC clause H.20 small business (SB) requirement:	
≥17% of Total Contract Price performed by SB	
Total Contract Price:	$5,525,855,581
17% requirement:	$939,395,449
SB Awarded:	$937,704,499
Balance to Requirement:	$1,690,950

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. 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)

CH2MHILL
Plateau Remediation Company

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

November 2011
CHPRC-2011-11, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

PROJECT SUMMARY

The Plutonium Finishing Plant (PFP) Project continues to maintain PFP facilities compliant with authorization agreement requirements.

American Recovery and Reinvestment Act (ARRA)

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. Glovebox Deactivation, Decommission, Decontamination, and Demolition (D&D) is complete in the backside vault rooms, Standards Laboratory, Analytical Laboratory, and the Radioactive Acid Digestion Test Unit (RADTU). A total of 132 gloveboxes have been removed to date with Recovery Act Funds. Of these, 123 have been shipped out of PFP for treatment or disposal and one has been set aside and staged for size reduction and disposal as transuranic (TRU) waste.

The 2736-ZB complex ready for demolition crews grouted penetrations, removed other regulated materials and staged heavy equipment in preparation for demolition of the facilities. CHPRC D&D commenced demolition of the four-building PFP Vault Complex and two ancillary structures and will complete demolition and waste load-out by the end of January, 2012.

Final area cleanout is continuing throughout 234-5Z. To date, 48 of the 69 lab, vault and process area rooms in the 234-5Z building have been declared ready for demolition in accordance with the Key Performance Parameter completion criteria.

External isolations, process equipment removal, and decontamination continued on the 47 Remote Mechanical A (RMA) and Remote Mechanical C (RMC) Line gloveboxes, where work has been constrained by the significant turnover in NCOs and RCTs. In Room 235-B, the 26” vacuum line and permanent exhaust to glovebox HA-23S was removed.

Work on removing transfer lines, process vacuum system piping, and asbestos insulation removal is constrained by lack of adequate resources as a result of workforce restructuring. The total number of highly contaminated process solution transfer lines in the 234-5Z building removed remains at 594 feet. Total process vacuum system piping removed remains at 1,210 feet. Asbestos removed from piping and ductwork remains at 15,228 feet.

As the pace of D&D work has accelerated at PFP, so have waste generation rates. CHPRC has now shipped approximately 3,824 cubic meters of waste from PFP with support from Recovery Act funds, including 3,044 cubic meters of low level and mixed low level waste, 749 cubic meters of TRU waste, and 31 cubic meters of nonradioactive waste.

Base

236Z Plutonium Reclamation Facility – Canyon entries were made to complete the replacement of the damaged trolley cable reel. After inspection, the crane was returned to service on November 8, 2011.

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	80%
			Identify types of failure and impact	03/29/2012	
			Research improved hydraulic line technology	06/29/2012	
			Report recommendations to management	07/30/2012	
12-EMS-PFP-OB2-T1	Reduce vehicle miles/ green house 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	80%
			Evaluate selected method for air emissions	06/31/2012	
			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	1	N/A
Total Recordable Injuries	0	1	N/A
First Aid Cases	2	78	**BASE** - 11/14/2011 - Employee experienced back pain. (22515) **BASE** - 11/20/2011 - Employee experienced pain in the right toe. (22523)
Near-Misses	0	0	N/A

KEY ACCOMPLISHMENTS

11.05 Disposition PFP (234-5Z) Facility – ARRA

- In Remote Mechanical A Line Room 235B, the removal of the 26" vacuum line and permanent exhaust to glovebox HA-23S was completed. Mobilization began in the 212-Z lay down yard to mock up the assembly of the two large gantry cranes that will be used to separate glovebox HA-23S.
- RMA Line Room 235A-1, glovebox HA-14DC was removed from the glovebox line. Planning was finalized to reorient the glovebox in Room 235A-1 to facilitate removal from the room and eventual loading into a SLB2 container.
- In RMA Line Room 235A-3 the mechanical isolation of glovebox HA-7A continued.
- In RMC Line Room 230A, the internal wipe downs of gloveboxes HC-21C and HC-2 were completed and both gloveboxes were prepared for chemical decontamination.
- In RMC Line Room 230B, process equipment removal from glovebox HC-21A was completed. After finishing process equipment removal the team initiated sweeps and wet wipe downs of gloveboxes HC-2 and HC-21A in preparation for chemical decontamination.
- In RMC Line Room 228B, the work team completed size reduction of the guide rails in the HC-1 conveyor.
- Due to work force restructuring, all RMA/RMC teams continued to train new team members during the month of November.

Analytical Laboratory

- Bulk Area Cleanup activities for the lab are substantially complete; all identified contaminated piping and E4 ducting systems have been removed. Chemical disposition work has now been completed. The only items remaining for disposition are to finish removal of a contaminated-equipment storage area in A-Lab. Work is now scheduled for completion by the middle of December, 2011.

PPSL

- Bulk Area Cleanup activities for the lab are now complete

Standards Lab

- Bulk Area Cleanup activities for the Standards Lab are complete

Disposition PFP (234-5Z) Facility

- Process vacuum piping removal is 30 percent complete with 1,210 total feet removed.
- A total of 592 feet of chemical piping transfer line has been removed.
- No asbestos-containing materials on piping was removed during the month of November. The total remains at 15,228 feet of asbestos removed to date.

2736Z/ZB Vault Complex

- Two buildings in the 2736-ZB complex were demolished and loaded-out, 2731-ZA and 2736-ZC.

Base

11.05 Disposition PFP Facility – Base

Maintain Safe & Compliant PFP

- The Conditions of Approval contained in the DOE-RL Safety Evaluation Report approving the 291-Z exhaust fan Evaluation of the Safety of the Situation (ESS) last September included

direction to convert the ESS into a detailed Justification for Continued Operation that included: 1) an enhanced inspection, testing, and maintenance program for the confinement ventilation system; and 2) the plan and schedule for restoring 291-Z exhaust fans to fully, unrestricted operable status. The requested JCO was submitted to RL via letter CHPRC-1104667 R1 on November 28.

Plutonium Reclamation Facility (PRF)

- Canyon entries were made to complete the replacement of the damaged trolley cable reel. A bumper guard and trolley cable roller was installed to avoid a reoccurrence of the damage to the trolley cable. After inspection, the crane was returned to service on November 8, 2011.
- The field work team initiated seal-out of the Pencil Tank Assembly 23 (Tank 23) segments from the canyon into Pencil Tank Overpacks (PTOs).
- Work was initiated with AREVA on a joint study of the use of a pressurized liquid nitrogen decontamination system for cleanup of the canyon after removal of the pencil tank assemblies has been completed.

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 oil made contact with the drive belt. The facility implemented required casualty response actions and the fire was extinguished. Normal ventilation for the facility was shutdown and backup steam turbine driven exhaust fans were placed in service. Per Technical Safety Requirement (TSR), the facility was placed in a "Terminate Activities" mode which halted all D&D activities.

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.

Issue – On Sunday, July 24, 2011, the trolley on the PRF canyon crane failed during movement to retrieve the counter balance to install the Tank 23 strongback. A loud noise was heard from inside the canyon when the crane motion switch was moved to either the east or west directions.

Corrective Actions – Canyon entries were made to complete the replacement of the damaged trolley cable reel. A bumper guard and trolley cable roller was installed to avoid a reoccurrence of the damage to the trolley cable. After inspection, the crane was returned to service on November 8, 2011.

RISK MANAGEMENT STATUS

Unassigned Risk
Risk Passed
New Risk

Working - No Concerns
Working - Concern
Working - Critical

Increased Confidence
No Change
Decreased Confidence

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
RL-0011/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.	Working - No Concerns	No Change	No new discoveries occurred in November. Significantly higher than expected levels of contamination have previously been discovered in deactivated process vacuum piping in 291-Z, a transfer line from 242Z to 234-5Z, and the ductwork downstream of HEPA filters in 2736-ZB. The discoveries have resulted in the need to remove much of these systems/components rather than leave them in place for demolition. The impact of these discoveries has been factored into PMB-3, as has the development and implementation of a detailed facility characterization plan to proactively investigate other areas where facility contamination levels are not well understood.
PFP-004, Risk of PRF Canyon D&D cost/schedule growth PFP-009: Problems with Aging Building Systems/Components Impacts D&D	Complete detailed planning/engineering for D&D of PRF canyon, particularly pencil tank removal and canyon decontamination. 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.	Working - Concern	Increased Confidence	The PRF canyon crane was repaired in October and Pencil Tank disposition successfully resumed in November. Following a catastrophic failure of 291-Z ventilation exhaust fan #1 on August 29, all of the fans were inspected and maintained, and four fans (2,4,6,7) were returned to service. Work planning has been completed to repair two others with visible cracks in the fan blades, and the work is scheduled to be completed during December. An enhanced preventative maintenance program for Vital Safety Systems and VSS support systems has been developed and will be fully implemented in January.
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.	Working - Concern	Decreased Confidence	This risk has been realized for the first time in one of the former process glovebox lines, and is being managed in accordance with the approved procedures. In this case the impacts are relatively limited, but will likely require 2-3 weeks of unplanned work scope.
PFP-042, Increased Attrition Impacts Availability of Qualified Resources PRC-021A, Workforce restructuring caused by funding changes	Risks have historically been accepted without mitigation.	Working - Concern	Increased Confidence	Training and qualification is continuing for the personnel transferred to PFP in early October to backfill for lower seniority personnel released during workforce restructuring. Many of the impacted teams have restarted their planned work, although the lower priority teams will not be fully staffed until January. The impacts associated with workforce restructuring were incorporated in PMB-3.
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.	Working - Concern	Decreased Confidence	Delays in completion of bulk area cleanout in the Analytical Laboratory and readying 2736-ZB for demolition (refer to PFP-003 above) have significantly impacted other planned work scope during October and November due to the need for continuing RCT support to these activities. This has been compounded by the lack of availability of CHPRC D&D resources to support the vault complex demolition scope. Both sets of activities are now scheduled for completion during December, which will free of the RCT resources planned for other activities.
PFP-064 OPP: Reduced Size Reduction Required Consistent With SLB2 Packaging	Implementation of the use of SLB-2s has been identified as a sitewide initiative by CHPRC and RL. A specific plan of action was developed and is being executed to support this opportunity.	Working - No Concerns	Increased Confidence	An inventory of SLB -2 containers, along with 4X4X8 waste boxes, which will fit directly into the new SLB-2s are now on hand for immediate use, with the first box expected to be loaded in December. The scope, schedule and cost reductions that will result from the use of SLB-2 packages at PFP have been assessed and incorporated in the updated PMB-3 delivered to RL in late November.

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	9.6	10.5	9.6	0.9	9.6	0.9	8.2
Base	208	3.1	(0.1)	0.3	11.9	3.2	104.7
Total	**12.3**	**13.6**	**9.5**	**1.2**	**10.1**	**4.1**	30.2
Numbers are rounded to the nearest $0.1M							

ARRA

CM Schedule Variance: (+$0.9M/+9.6%)

Current month schedule variance is primarily a result of a point adjustment of BCWS/BCWP following implementation of BCR-PRC-12-001R0, *FY2012-FY2018 Lifecycle Update, PRC Baseline Revision 3.* Partially offset by RMA/RMC schedule delays resulting from unavailable resources continuing to support higher priority work scope that is taking longer than expected.

CM Cost Variance: (+$0.9M/+8.2%)

Current month cost variance results from the PMB Offset processed this period, which increased BCWS and BCWP on adjusted FY2011 activities. This is offset by the transfer of prior period costs associated with extended ARRA work scope from base-funded work packages, recognized inefficiencies, higher use of MSA brokered craft, and the extended use of resources and overtime to complete more complex work scope.

Base

CM Schedule Variance: (+$0.3M/+11.9%)

Current month schedule variance is primarily a result of adjusted BCWS/BCWP following implementation of BCR-PRC-12-001R0, *FY2012-FY2018 Lifecycle Update, PRC Baseline Revision 3.* This is partially offset by PRF schedule delays resulting from unavailable resources continuing to support higher priority work scope.

CM Cost Variance: (+$3.2M/+104.7%)

Current month cost variance results from the PMB Offset processed this period, which increased BCWS and BCWP on adjusted FY2011 PRF activities. This is offset by the transfer of prior period costs associated with extended ARRA work scope from base-funded work packages. Without the adjustment, there is a favorable variance of $0.4M.

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	271.5	270.3	277.2	(1.2)	-0.4	(6.9)	-2.6	293.6	299.3	(5.7)
Base	162.5	161.9	164.6	(0.6)	-0.4	(2.7)	-1.6	595.6	597.2	(1.6)
Total	**434.0**	**432.2**	**441.8**	**(1.8)**	**-0.4**	**(9.6)**	**-2.2**	**889.2**	**896.4**	**(7.3)**

Numbers are rounded to the nearest $0.1M

ARRA

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

The schedule variance is within reporting thresholds.

CTD Cost Performance: (-$6.9M/-2.6%)

The cost variance is within reporting thresholds.

Base

CTD Schedule Variance (-$0.6M/-0.4%)

The schedule variance is within reporting thresholds.

CTD Cost Variance (-$2.7M/-1.6%)

The cost variance is within reporting thresholds.

Variance at Completion (-$7.3M/-0.8%)

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 October to November, 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	FY2012 Spending Forecast	FY2012 Spend Variance
ARRA	33.4	33.4	0.0
Base	100.6	93.1	7.5

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-PRC12-001R0, Baseline Rev. 3

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)

CH2MHILL
Plateau Remediation Company

K. L. Kehler
Vice President and
Project Manager for
D&D Project

November 2011
CHPRC-2011-11, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

PROJECT SUMMARY

The first 25 KOP Scrap Basket Inserts were successfully poured by Copper Alloys in the United Kingdom. Although casting is being interrupted for approximately two weeks to repair foundry equipment, the casting is now back on track and is expected to be completed by the end of January 2012.

The CHPRC internal review of the 105KW Basin, CVDF, & CSB Safety Basis Document revisions supporting KPS Operations was completed. Comments from both the CHPRC internal review and DOE-RL, via an In-Process Review, were also being incorporated. The schedule is to have all KOP-related Safety Basis Document revisions internally approved and submitted to DOE RL for their formal review & approval by the first week in December.

The KPS Verification Containers (VCs) were formally received through the AVS receipt inspection process and delivered to the MASF Test Facility. With both the safety significant VCs and safety significant Volume Measurement Tools (VMTs) having been received, KOP Project personnel initiated functional checks to ensure that accurate volume correlations are established for every combination of VC and VMT. The functional checks are intended to validate the assumed accuracy of measuring the volume of KOP product material with the safety significant components.

A second revision of the TRL-6 Test Report was issued for review by the Joint Test Group (JTG). JTG comments were subsequently resolved and incorporated. Due to the large amount of documentation associated with this report, scanning the documents and issuing the report is forecasted to be completed the week of 12/5/11.

Formal CHPRC Review of the Engineered Container Retrieval and Transport System (ECRTS) Preliminary Design Report (PDR) concluded early this month, with the comment period extended to assure a more detailed review by the systems engineers and nuclear safety reviewers. Project resolution of these comments were completed, with final approval and issuance of the PDR expected to occur by 12/1/2011.

Construction activities associated with installation of the three-hour firewall on the north end of the KW annex were conducted.

Subcontractor (AREVA) internal review of the modified KW Annex final design was concluded.

PNNL transmitted its final report, PNNL-20884, “Settling Studies of KW Basin Settler Sludge from SCS-CON-230 and Settler Sludge Simulant (230)”, on October 31. These settling and filtration tests allow comparison of the settler stimulant with the settler sludge composite samples. In general, the settler stimulant exhibits settling and filtration properties similar to the settler sludge core composite samples. The suspended solids in the supernate of the sludge samples were composed primarily of U, Fe, Al, and Si.

CHPRC received Change Order #173/Contract Modification #194 to initiate work on selected Sludge Treatment Project Phase 2 pre-conceptual studies. An advanced work authorization (AWA) is being processed. With the identified funding CHPRC will develop a preliminary technology plan to support RL’s response to TPA milestone M-016-171 which is due on March 31, 2012, and conduct a siting evaluation which will consider existing, hybrid, and new facility alternatives.

TARGET ZERO PERFORMANCE

	CM Quantity	Rolling 12 Month	Comment
Days Away, Restricted or Transferred	0	2	N/A
Total Recordable Injuries	0	2	N/A
First Aid Cases	0	10	N/A
Near-Misses	0	0	N/A

KEY ACCOMPLISHMENTS

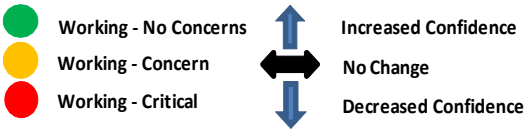
The KOP Processing System (KPS) Formal Design Review Report and Final Design Report were both finalized in the month. The CHPRC Project Review Board approved the KOP Disposition Subproject to advance to the KPS Equipment Installation & Commissioning Phase. The updated Special Packaging Authorization (SPA) Evaluation Checklist (SEC) for the KOP payload, which includes the supporting analysis showing how the package satisfies the requirements of the F-SPA, was submitted to DOE-RL for approval. The SEC was updated to respond to DOE-RL's comments.

MAJOR ISSUES

No major issues to report this month.

RISK MANAGEMENT STATUS

Unassigned Risk
Risk Passed
New Risk



Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
STP-030: 100K KOP system operations	Refurbish IWTS, FRS, CLS to minimize operational downtime	●	⟷	Baseline includes refurbishment.
STP-007: Competing K Basin Priorities	Integrated, detailed working schedules/plan-of-the-week meetings	●	⟷	Training impacts due to work force restructuring "bump and roll" requirements.
KBC-010: Unexpected TRU Debris or Other Waste	Develop characterization & blending/packaging strategy; establish alternate waste disposition pathways	●	⟷	No issues at this time.
KBC-011: DSA/FHA Limits Impact Waste Staging	Modify DSA/FHA to increase combustible loadings	●	⟷	Work in this area is proceeding without impact.
KBC-018: Discovery of Additional Sludge or SNF	Ensure SNF handling capabilities and WCH agreements are in-place	●	⟷	WCH has delayed shipments, and has requested extension of the window to make additional shipments.
STP-039: KOP Separations Process Qualification	Test the mechanical separations process in a relevant environment at MASF	●	⟷	Pretreatment test equipment modified and shipped to 100K for staging
STP-075A: ECRTS Technology Maturation Testing	Continue technology testing at MASF to demonstrate TRL-6 maturity by March 2012 TRA.	●	⟷	Full Integrated Testing (TRL-6) is complete.
STP-082: Changing in Classification of Annex from PC-2	Continue meetings with RL and stakeholders on hazards analysis	●	⟷	It has been determined that the PC-2 is correct classification.

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	3.8	5.9	7.6	2.1	55.7	-1.7	-29.0
Numbers are rounded to the nearest $0.1M							

CM Schedule Performance (+$2.1M/55.7%)

Positive SV primarily due to the point adjustments related to implementation of PMB-3 (BCR-PRC-12-001R0) in November. RL-12 prepared for a December implementation, with the eventual implementation in November a larger point adjustment resulted.

CM Cost Performance (-$1.7M/-29.0%)

Negative CV primarily due to the point adjustments related to implementation of PMB-3 (BCR-PRC-12-001R0) in November. RL-12 prepared for a December implementation, with the eventual implementation in November a larger point adjustment resulted.

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	260.2	261.8	262.3	1.7	0.6	-0.5	-0.2	625.6	624.7	+0.9
Numbers are rounded to the nearest $0.1M										

CTD Schedule Performance (+$1.7M/0.6%)

The combined 100K and STP variance is within reporting thresholds.

CTD Cost Performance (-$0.5M/-0.2%)

The combined 100K and STP variance is within reporting thresholds.

Contract Performance Report Formats are provided in Appendix A.

Estimate at Completion (EAC)

The current EAC is slightly lower than the projects BAC.

FUNDS VS. SPEND FORECAST

($M)

RL-0012 Spent Nuclear Fuel Stabilization and Disposition	FY2012 Projected Funding	FY2012 Spending Forecast	FY2012 Spend Variance
Base	86.9	82.6	4.3

Numbers are rounded to the nearest $0.1M.

Funds/Variance Analysis

The Base funding distribution by PBS was revised based on Revision 3 of the Performance Measurement Baseline.

Critical Path Schedule

Critical Path Analysis can be provided upon request.

Baseline Change Requests

BCR-PRC12-001R0, Baseline Rev. 3

MILESTONE STATUS

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 following table is a one year look ahead of key 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-016-171	Complete K Basin Sludge Treatment & Packaging Tech Eval Report	TPA	3/31/12			On Schedule.

SELF-PERFORMED WORK

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

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

None currently identified.

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

CH2MHILL
Plateau Remediation Company

L.T. Blackford
Vice President and
Project Manager for
Waste and Fuels
Management Project

November 2011
CHPRC-2011-11, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

PROJECT SUMMARY

The Waste & Fuels Management Project (W&FMP) focused on delivering safe, compliant performance.

American Recovery and Reinvestment Act (ARRA)

Project layup activities continued. Completed disposition of 60.5m3 of ARRA funded mixed and/or low-level waste (M/LLW). Completed three ERDF Roll-Off/Roll-On waste shipments to the Environmental Restoration Disposal Facility (ERDF) from burial ground 12B. Remediated High Contamination Area (HCA) in burial ground 4B to the point of final painting activities. Completed repack of two Hanford Engineering Development Laboratory (HEDL) sludge drums in the Waste Receiving and Processing Facility (WRAP) Transuranic Waste (TRU) Glovebox. Completed compaction efforts for 442 empty parent drums in 221-T Canyon.

Base

The W&FMP continued maintaining facilities in a safe and compliant condition; Canister Storage Building (CSB) completed 5-year fire water storage tank inspection, the Multi-Canister Overpack (MCO) H-172 gas sample, and the quarterly MCO Handling Machine (MHM) interlock channel tests. Shipped 27 TRU-Project dropout M/LLW waste packages from the CWC to Perma-Fix Northwest (PFNW) for final disposition. Liquid Effluent Facilities (LEF) received Environmental Restoration Disposal Facility (ERDF) leachate (111K gallons) at Liquid Effluent Retention Facility (LERF) Basin 44 (CY 1.8M gallons) and treated effluent to State-Approved Land Disposal Site 1M gallons (CY 17M). The 200A Treated Effluent Disposal Facility (TEDF) discharged 973k gallons (CY 13M). Completed W&FMP FY 2013-FY2018 Performance Measurement Baseline (PMB) submittal.

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	On schedule

TARGET ZERO PERFORMANCE

	Current Month	Rolling 12 Month	Comment
Days Away, Restricted or Transferred	0	6	N/A
Total Recordable Injuries	0	12	N/A
First Aid Cases	1	93	**Base** - 11/17/11 - Employee was getting out of personal vehicle and slipped on icy surface. Body part affected: back. (22521)
Near Misses	0	0	N/A

KEY ACCOMPLISHMENTS

ARRA

13.04 MLLW Treatment

- Completed disposition of 60.5m^3 of ARRA funded mixed and/or low-level waste (M/LLW)

13.05 TRU Retrieval

- **TRU Retrieval Layup Activities**
  - Completed three ERDF Roll-Off/Roll-On waste shipments to the Environmental Restoration Disposal Facility (ERDF) from burial ground 12B.
  - Remediated High Contamination Area (HCA) in burial ground 4B to the point of final painting activities.
  - Continued survey and removal of the rental equipment (generators and light plants) from 3A, 4B, 4C, and 12B.
  - Initiated 12B Real Time Radiography (RTR) disassembly and shipment preparations. Shipments to be completed 12/16/11.

13.06 TRU Repackaging

- **WRAP Layup Activities**
  - Continuing 2404WB Decontamination work.
  - Completed repack of two Hanford Engineering Development Laboratory (HEDL) sludge drums in Transuranic Waste (TRU) Glovebox.
  - Retained Nuclear Chemical Operator (NCO)/Radiological Control Technician (RCT) Resources continue to support multiple layup activities (including T Plant and the Low-Level Burial Ground (LLBG)).
- **T-Plant Layup Activities**
  - Completed compaction efforts for 442 empty parent drums in 221-T Canyon.
  - Continuing Pacific Northwest National Laboratory (PNNL) Assay of 256 100-gal suspect TRU compacted (“puck”) drums.

Base

13.01 Project Management

- Completed W&FMP FY 2013-FY 2018 Performance Measurement Baseline (PMB) submittal
- Continued Project Management support for high priority projects

13.02 Capsule Storage & Disposition

- Waste Encapsulation & Storage Facility (WESF)
  - Installed hose reel to wagon in support of 282B sampling
  - Performed beryllium sampling on the electrical switchgear (awaiting results)
  - Replaced block heaters on 225B-DG-1 (cold weather protection)
  - Completed 225BG yearly lube and inspection
  - Completed 21 ‘fix-it-now’ items

13.03 Canister Storage Building (CSB)

- Continued Security Mobile Office 155 utilities tie-in (construction)
- Completed tire replacement on cask transporters
- Completed Building 2701HV propane generator repair

- Completed 5-year fire water storage tank inspection
- Completed Multi-Canister Overpack (MCO) H-172 gas sample
- Completed quarterly MCO Handling Machine (MHM) interlock channel tests
- Completed annual uninterruptable power supply maintenance

13.07 WRAP

- Maintained the facility in a safe and compliant condition

13.08 T-Plant

- Maintained the facility in a safe and compliant condition

13.09 Central Waste Complex (CWC)

- Shipped 27 TRU-Project dropout M/LLW waste packages from the CWC to Perma-Fix Northwest (PFNW) for final disposition.
- Received 28 SWBs and 24 drums of transuranic waste
- Received 7 shipments of M/LLW in to the Mixed Waste Disposal Units (total of 16 waste packages).

13.11 Liquid Effluent Facilities (LEF)

- Received 4 tankers (calendar year [CY] 484k gallons)
- Treated effluent to State-Approved Land Disposal Site: 1M gallons (CY 17M)
- 200A Treated Effluent Disposal Facility (TEDF) discharged 973k gallons (CY 13M)
- Received Environmental Restoration Disposal Facility (ERDF) leachate (111k gallons) at Liquid Effluent Retention Facility (LERF) Basin 44 (CY 1.8M)
- Continued operating the 310 Retention Transfer System (RTS): 24 batches; CY 777k gallons
- Shipped 40 powder drums from Basin 44 to ERDF
- Received tanker of 50% sodium hydroxide
- Maintenance activities:
  - Continued repairs to the Basin 43 recirculation line
  - Repaired motor operated valve at load-in station
  - Repaired vessel off-gas blower
  - Initiated preparations to relocate the respirator mask station
  - Replaced groundwater transfer line isolation and relief valve on Manhole #7
  - Placed Secondary Waste Retrieval Tank A pump into service
  - Completed annual roll-up door inspection
  - Completed preventive maintenance on dilute chemical feed pumps

13.12 Integrated Disposal Facility

- Completed all required inspections at the Integrated Disposal Facility

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

MAJOR ISSUES

No major issues to report this month.

RISK MANAGEMENT STATUS

Unassigned Risk
Risk Passed
New Risk

Working - No Concerns
Working - Concern
Working - Critical

Increased Confidence
No Change
Decreased Confidence

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
WSD-018: CSB Major Equipment Failure	Risk accepted without mitigation	●	⟷	Risk is very unlikely.
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.
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 documented current status.
WSD-097: Major Equipment Failure at WRAP WSD-079: Major Equipment Failure - T Plant	Risks accepted without mitigation	●	⟷	Risks are unlikely.

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	(1.1)	0.7	0.8	1.8	168.2%	(0.1)	-14.6%
TRU Waste	0.7	0.8	0.9	0.1	18.8%	(0.1)	-11.5%
ARRA Total	**-0.4**	**1.6**	**1.8**	**2.0**	**502%**	**(0.2)**	**-13.0%**
Base	6.1	6.2	5.4	0.04	0.7%	0.8	12.4%
Total	**5.7**	**7.7**	**7.2**	**2.0**	**34.8%**	**0.6**	**7.3%**

Numbers are rounded to the nearest $0.1M

ARRA

Current Month (CM) Schedule Performance (+$2.0M/+502.2%)

RL-0013 MLLW Treatment / RL-0013 TRU Waste – The positive variance is primarily due to the implementation of the Rev 3 PMB which rephased MLLW treatment of TRU Retrieval dropouts (to out years), coupled with schedule recovery for TRU Retrieval Layup.

CM Cost Performance (-$0.2M/-13.0%)

RL-0013 MLLW Treatment / RL-0013 TRU Waste – The unfavorable cost variance is primarily due to additional effort required to complete layup activities coupled with start-up anomalies which will require corrections from ARRA to base-funded work scope.

Base

CM Schedule Performance (+$0.0M/+0.7%)

The positive schedule variance is within threshold.

CM Cost Performance (+$0.8M/+12.4%)

The positive cost variance is primarily due to a correction in workforce restructuring allocation, resources deferred to higher priority Layup activities and some continued start-up anomalies which will require corrections from ARRA to base-funded work scope.

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	47.3	47.7	42.4	0.4	0.8%	5.2	10.9%
TRU Waste	256.0	255.5	254.7	(0.5)	-0.2%	0.8	0.3%
ARRA Total	**303.2**	**303.1**	**297.1**	**(0.1)**	**-0.0%**	**6.0**	**2.0%**
Base	325.2	324.5	331.7	(0.7)	-0.2%	(7.1)	-2.2%
Total	**628.5**	**627.7**	**628.8**	**(0.8)**	**-0.1%**	**(1.2)**	**-0.2%**

Numbers are rounded to the nearest $0.1M

ARRA

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

RL-0013 MLLW Treatment – The negative CTD schedule variance is within threshold, however early completion of MLLW returns is offset by delays in Layup activities.

CTD Cost Performance (+$6.0M/+2.0%)

The positive cost variance 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, decreased operations costs at Low Level Burial Grounds (LLBG), efficiencies in Large Type A waste container shipments to PFNW and in Mixed Waste Disposal Trenches (MWDT) upgrades, 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 (-$0.7M/-0.2%)

The RL-0013 negative schedule variance is within reporting threshold and is due to Canister Storage Building (CSB), WESF, and ETF engineering activities delayed due to resource availability (assigned to higher priority activities).

CTD Cost Performance (-$7.1M/-2.2%)

The RL-0013 negative cost variance is due to 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 October to November for both ARRA and Base, are within reporting thresholds.

FUNDS vs. SPEND FORECAST ($M)

	FY2012		
WBS 013/RL-0013 Waste and Fuels Management Project	**Projected Funding**	**Spending Forecast**	**Spend Variance**
ARRA	4.6	4.6	0.0
Base	88.3	86.0	2.3
Total	92.9	90.6	2.3

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-PRC12-001R0, Baseline Rev. 3

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-091-40T	Retrieve 2,000 Cubic Meters of CH RSW	TPA	9/30/11		9/30/11	Field work completed 8/10/11. Completion letter issued after 9/30/11.
M-091-46A	Certify 850 Cubic Meters of Small Container CH TRUM Waste	TPA	9/30/11		9/30/11	Field work completed 7/21/11. Completion letter issued after 9/30/11.
M-091-44Z-002	Min. Annual PMM or Qtrly Notification of Cert. of CH/RH TRUM	TPA	12/31/11			On Schedule
C-026-07G	Tritium Treatment Technology Developments to Ecology & EPA	TPA (commitment)	3/31/12			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

Section D
Soil and Groundwater Remediation Project (RL-0030)

CH2MHILL
Plateau Remediation Company

D. L. Foss
Vice President and
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Remediation Project

M. N. Jaraysi
Vice President for
Environmental Program
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K. A. Dorr
Vice President for
Engineering, Projects
and Construction

November 2011
CHPRC-2011-11, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

PROJECT SUMMARY

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

- Collected 1,154 samples, resulting in 323 results being loaded into HEIS.
- 16M gallons groundwater treated by ZP-1 treatment facility
- 21M gallons groundwater treated by KX treatment facility
- 9M gallons groundwater treated by KW treatment facility
- 7M gallons groundwater treated by KR-4 treatment facility
- 25M gallons groundwater treated by HX treatment facility
- 21M gallons groundwater treated by DX treatment facility
- 1M gallon groundwater treated by TX/TY well pumps
- 100M 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	198.4M Gallons through 11/30/11

TARGET ZERO PERFORMANCE

	CM Quantity	Rolling 12 Month	Comment
Days Away, Restricted or Transferred	0	1	N/A
Total Recordable Injuries	0	14	N/A
First Aid Cases	3	103	**11/10 –** While loading an ERDF flat, employees' finger was pinched between the ramp and a backboard. 22413 (S&GRP) **11/10** – Employee was wiping down glass sample bottles when one broke in hand. 22412 (S&GRP) **11/15 –** Employee was unloading files from a file cabinet and struck her left elbow resulting in a contusion. 22519 (S&GRP)
Near-Misses	0	2	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

- Continued working through the remaining construction punch-list items. Completed Radiological Building site work and concrete apron. Completed BIO Building and BIO Pad floor penetrating sealant installation and all process system and influent piping system flush.
- Hanford Fire Marshall occupancy permit issued for all four transfer buildings
- Injections Wells: ATP complete.

Base - RL-0030.01 RL 30 Operations

EPC Projects in Support of S&GRP - Base

- 100-HX Groundwater Treatment Facility - Continued working project closeout activities.

Integration and Assessments

- Chaired an integrated River Corridor/Central Plateau Senior Management (RL and contractors) that provided direction on the 300 Area Proposed Plan, the path forward to evaluate the status of work remaining in the River Corridor following final ROD approval, and pending policy for coal ash sites.
- Remediation Optimization Study: Completed a series of workshops with contractor/DOE representatives to develop data/approaches/assumptions to support the study. Defining the process for subdividing and sequencing the implementation areas.

Technical Integration

- DOE O 435.1 Assessments: The Composite Analysis and Integrated Disposal Facility annual

status reports have had internal draft review comments incorporated and the decisional drafts are in technical publications.

- Groundwater Protection Modeling:
  - DOE/RL-2011-50 Rev. 0 (Graded Approach document) was released for 90-day public review period (closes January 6).
  - River Corridor Vadose Zone Model Package Report (SGW-50776 Rev. 0) has been submitted to clearance.
- Submitted the Tier 2 ecological Preliminary Remediation Goal (PRG) report (CHPRC-01311) to clearance, following incorporation of DOE comments.

Systematic Planning Integration

- Completed cost estimates for five 300 Area remedial alternatives for inclusion in the Remedial Investigation/Feasibility Study (RI/FS) decision document and Proposed Plan (PP).
- Implemented new comment resolution process on EPA comments for the 100K RI/FS and PP. Comments were reviewed and categorized (based on difficulty) within 24 hours of receipt and reviewed with RL within 48 hours.

River Corridor

100-KR-4 Operable Unit - Base

- Received EPA RI/FS & PP comments on November 14, 2011.

100-HR-3 Operable Unit - Base

- Received DOE RI/FS Report comments starting in early November, with the final comments received on November 23, 2011.

300-FF-5 Operable Unit – Base

- Delivered the Decisional Draft Proposed Plan to RL on November 14, 2011(TPA M-015-72-T01 due December 31, 2011).

Central Plateau

200-UP-1 Operable Unit – Base

- Construction of the S-SX extraction system (Ojeda) continued. Transfer building ATP was performed and a final punch-list issued. All mechanical and electrical rack were fabricated and placed at the well heads and are undergoing ATP placement and testing of the above-ground pipelines was completed. All 3 extraction wells are complete.

200-ZP-1 Operable Unit - Base

- Drilling/sampling of 23 permanent extraction and/or injection wells is complete. Wells C8068, C8069, and C8386 are at depths of 482 ft (TD), 524 (TD), and 447.5 ft.
- Operators are being trained on how to operate the 200 West P+T system using recently created simulator based training software.

200-IS-1 Operable Unit – Base

- RL transmitted the Draft A 200-IS-1 OU RFI/CMS & RI/FS Work Plan to the Regulatory Agencies on November 10, 2011 (TPA M-015-90 due December 31, 2011).

200-SW-2 Operable Unit – Base

- RL transmitted the Draft A 200-SW-2 OU RFI/CMS & RI/FS Work Plan to the Regulatory Agencies on November 7, 2011 (TPA M-015-93A due December 31, 2011).

MAJOR ISSUES

No major issues to report this month.

RISK MANAGEMENT STATUS

Unassigned Risk
Risk Passed
New Risk

Working - No Concerns
Working - Concern
Working - Critical

Increased Confidence
No Change
Decreased Confidence

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
SGW-002: RL or Regulator Personnel Changes	Work with RL to document agreements and to obtain appropriate formal approvals (RL and regulators) for the agreements that could result in a schedule delay of greater than 3 months or a cost impact of more than $500K in the event the agreements were to change.	Concern	Decreased Confidence	Currently experiencing this issue with turnover of RL and Regulator staff. Training was conducted with S&GRP management team to reinforce documentation of meetings and agreements to minimize this risk.
SGW-080: 100-BC-5 Pump and Treat Required	This risk is accepted as written and will be monitored throughout work execution.	Concern	No Change	EPA concurred that need for pump and treat will be evaluated as part of RI/FS process; existing sample data and the draft feasibility study indicate 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.	No Concerns	No Change	EPA concurred that need for pump and treat will be evaluated as part of RI/FS process but based upon current sample data and the draft feasibility study , the need for treatment is not considered likely.
SGW-001: 100-D Treatment Technology Selection Change	Review draft RD/RAWP with regulators; maintain close interface to minimize impact of changes.	No Concerns	No Change	This risk is has a low probability but will still be a risk until the final remedy is approved.
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.	Concern	Decreased Confidence	EPA has policy related comments that are being evaluated and considered for impacts to not only K, but other related projects. Example include the addition of irrigation within the unrestricted land use which has overarching impacts on other projects.
SGW-008B: Regulatory Document Comments for 100-HR-3	Routine meetings are being held with regulators during document development; no additional mitigation is feasible.	No Concerns	No Change	DOE completed their review and set expectations that we also address resolutions from the 100-K EPA comments.
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.	No Concerns	No Change	No issues are expected this month.
SGW-008J: Regulatory Document Comments - 300-FF-5	Routine meetings are being held with the regulators and RL during document development. No additional mitigation is feasible. Risk is accepted.	No Concerns	No Change	No issues are expected this month.
SGW-017 - Groundwater Flow Less Than Planned - 200 West P&T (Phase I)	Project has accelerated drilling of 6 injection wells to ensure adequate injection capacity.	No Concerns	No Change	Hydraulic analysis was performed and as a result, project is revising pump header configuration to accommodate startup and operations at ITB #1 and ITB #2.
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.	Concern	No Change	The baseline has incorporated the realized risk from the final issuance of the "issued for construction" drawings. Construction is complete and project is entering acceptance testing phase. As these tests complete, risk associated with design will diminish.

RISK MANAGEMENT STATUS– Cont.

Unassigned Risk
Risk Passed
New Risk

Working - No Concerns
Working - Concern
Working - Critical

Increased Confidence
No Change
Decreased Confidence

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
SGW-041, Maintenance on the groundwater pump and treat systems is higher than planned due to reduced system reliability.	Shutdown of the older facilities as new facilities are brought on line.			No impacts at this time.
SGW-043A: P&T System Relocation - 100-KR-4	The 100-KR-4 Operable Unit Lead will work closely with the 100 K Area waste site remediation manager to minimize the impact to the groundwater pump and treat system. No additional mitigation is feasible. Risk is accepted.			No issues are expected this month.
SGW-049: 200 West Pump & Treat - New Technology	The ability of either resin (two different resins are being considered) to remove I-129 to target MCL's is not specifically understood; therefore, DOE has agreed that Phase I treatment will primarily target Tc-99. A test plan has been developed to define the approach and protocols for CCL4 uptake.			No issues at this time.
SGW-051: Compressed Schedule for 200 West P&T Project Due to TPA Commitment	Project team will work closely with RL and the regulators to minimize the potential of unexpected design changes and to implement any required design changes quickly so as to minimize the schedule impact. Additional funding will be required to mitigate these issues. Contractor schedule compression will be supplemented with appropriate detail over time. Design schedule has been extended and has overlapped construction and no constructability reviews have occurred. Include funds to account for changes and claims in budget, compare design and estimate costs for changes, perform phased constructability reviews. Project is already exploring options to accelerate schedule more so than what was delivered in general contractor's proposal.			Agreed upon completion criteria with RL and Regulators. Project is utilizing additional resources and working overtime to mitigate this risk. The concern is reviewed daily with the General Contractor and testing personnel to recover critical path work activities.
SGW-069: 100-HR-3 ISRM Barrier Amendment - Hexavalent Chromium Continues to Move Through Barrier	Monitor zero valence iron injection; add four wells to P&T.			DOE and Ecology have agreed to the strategy and signed a memorandum documenting the changes as insignificant. For wells will be used to supplement the barrier and capture down-gradient chromium. DX system is on line with extraction wells down gradient of the ISRM barrier.
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.			No issues at this time.

RISK MANAGEMENT STATUS– Cont.

Unassigned Risk
Risk Passed
New Risk

Working - No Concerns
Working - Concern
Working - Critical

Increased Confidence
No Change
Decreased Confidence

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
SGW-091: Material Procurement - 200 West P & T	Work closely with the BTR to ensure timely placement of procurement contracts, including any necessary expediting. Supplement engineering support for RCI submittal resolution, on-site focus review including vendor participation as needed. Provide incentives for vendors to compress schedule.	Yellow	No Change	All major long lead equipment (LLE) has been received and accepted. Significant interferences have been encountered in the field. On-site support has been employed to modify, replace, and/or repair the interferences. As testing continues, risk associated with long lead procurements will diminish.
SGW-092: 200 West P&T Operating Requirements	The operating requirements and waste disposition requirements will be evaluated further at the 30, 60, and 90 percent design phases to determine whether operational planning needs to be adjusted. Risk is accepted without further mitigation at this time.	Yellow	No Change	No issues at this time" update "Risk Strategy/Handling" to include: "As preventative maintenance packages proceed through the development process, staffing levels will be evaluated to ensure continuous P&T operation.
SGW-095: Well Relocation or Acceleration - 200 West P&T	Wells will be installed as necessary to support system startup, with design changes incorporated as they are identified. Risk is accepted without further mitigation.	Green	No Change	No issues at this time.
SGW-098: 200-W P&T - Schedule Impacts Due to Scope Increases	Contractor will hold periodic discussions with client and regulators to maintain a clear understanding of scope changes. As these issues are identified, they will be listed with other emerging issues. At this point, further mitigation tactics will be determined.	Yellow	No Change	OT and additional shifts have been utilized in certain areas to ensure schedule requirements are met. Work continues to support acceptance testing procedure.
SGW-101, 100-NR-2 Strontium Downstream From Barrier	If strontium contaminants downstream of the barrier require mitigation, an evaluation of barrier expansion will be conducted.	Green	No Change	The 100-NR-2 apatite barrier is designed to control and treat the strontium in the soil and groundwater to prevent migration to the river. There is a very low probability risk that strontium that is downstream from the barrier will require additional treatment.
SGW-107: Unplanned New Wells Required	Annual well drilling plans reflect current knowledge. Risk is accepted without mitigation.	Green	No Change	Wells in FY2012 can only be added if funds are approved by DOE/Sr. Management. BCR would be initiated to incorporate any new wells that have approved funds.
SGW-119: Integration of Lime system Vendor Package Equipment into Facility Construction	Project has sent representatives to fabrication facilities to inspect processes and mitigate further issues. PRC is actively managing subcontractors by holding schedule accountability meetings twice per week.	Yellow	No Change	The design changes have been completed, and structural modifications have been installed for the lime sludge conveying system with structural steel. The contractor is adding resources/working overtime to recover schedule. These costs have been identified for backcharge to the equipment vendor and include extended general conditions costs for the installation Contractor.
SGW-120: 200 West Safety Considerations	CHPRC oversight including site safety, IH, and construction management will work with the contractor on a daily basis to reduce this risk potential.	Yellow	No Change	Successful completion of the project is contingent upon ongoing implementation of safety and health practices.
SGW-121: 200 West P&T Work - Software Development & Verification/Validation	Monitor progress of software development and apply additional resources as necessary. CH2MHILL senior management to oversee and provide necessary resources to meet all required scheduling requirements for work performed at CH2MHILL.	Green	No Change	There have been issues with package vendors that have been mitigated. Probability of occurrence remains until system is fully operational.
SGW-124: 200 W P&T Long-Lead Equipment Fabrication to Site Standards & Requirements	Fabrication of LL vendor equipment is not in compliance with site standards (e.g., hoisting and rigging manual) and other relevant closed/standards (e.g., NEC, NRTL, NFPA, welding codes) are not met and require re-workafter shipment to the site.	Yellow	No Change	Project has QA/QC representation at the vendors site to inspect processes and mitigate further issues. Bi-Weekly meetings are being held to maintain schedule and delivery dates. Actions have been taken to correct the equipment prior to receipt and installation. The LLE Vendor will be working the items required to meet the site standard and requirements.

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	2.7	3.0	5.4	0.4	13.4	(2.4)	-79.4
ARRA RL-0030.R1.1 Cleanup Operations	0.0	0.0	(0.6)	0.0	0.0	0.6	0.0
ARRA RL-0030.R1.2 Well Drilling Operations	0.0	0.0	0.2	0.0	0.0	(0.2)	0.0
Subtotal RL-0030.C	**2.7**	**3.0**	**5.0**	**0.4**	**13.4**	**(2.0)**	**-67.2**
Base RL-0030.01 RL 30 (Operations)	7.0	8.4	5.9	1.5	20.8	2.5	30.2
ARRA RL-0030.R1.3 Support Operations	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	**9.7**	**11.5**	**10.9**	**1.8**	**18.7**	**0.5**	**4.4**

Numbers are rounded to the nearest $0.1M.

CM Schedule Performance

Current month schedule variances that exceed thresholds are as follows:

RL-0030.C (+$0.4M/+13.4%)

Base RL-0030.C1 GW Remedy Implementation (+$0.4M)

200 ZP-1 Operable Unit (+$0.4M)

The overall Sludge Stabilization System is behind schedule. However, performance taken in November was for BCWS planned in prior months therefore resulting in a current month positive schedule variance. As additional work is completed the overall contract to date behind schedule position will improve.

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-0030.01

Base RL-0030.01 RL 30 (Operations) (+$1.5M/+20.8%)

100 NR-2 Operable Unit (+$0.7M)

The primary drivers for the current month schedule variance are barrier expansion work being planned in FY13 that is being performed this year and a point adjustment for the implementation of BCR-PRC-12-001, PMB Rev3 which adjusted for RD/RA work that was re-planned into FY13.

Regulatory Decisions & Closure Integration (+$0.4M)

The current month schedule variance is due to the point adjustment as the result of implementing BCR-PRC-12-001, PMB Rev 3. The BCR re-planned CERCLA documents into the out years due to funding.

RL-0030.R1.3

ARRA RL-0030.R1.3 Support Operations ($0.0M/0.0%)

There is no current month schedule variance.

CM Cost Performance

Current month schedule variances that exceed thresholds are as follows:

RL-0030.C ($-2.0M/-67.2%)

Base RL-0030.C1 GW Remedy Implementation (-$2.4M)

200 ZP-1 Operable Unit (-$2.4M)

FY year-end contract changes caused accrual issues in October, the November accrual covers both months and resulted in a negative cost variance for the period.

ARRA RL-0030.R1.1 Cleanup Operations (+$0.6M)

200-ZP-1 OU (+$0.6M)

Closeout costs on contracts credit value based on actual being less than accrual and credits from contractors.

ARRA RL-0030.R1.2 Well Drilling Operations (-$0.2M)

200-ZP-1 OU (-$0.2M)

Contract closeout costs.

RL-0030.01

Base RL-0030.01 RL 30 (Operations) (+$2.5M/+30.2%)

GW Monitoring & Performance Assessments (+$0.3M)

A contract accrual for surface geophysical logging was not made as the contract had been incorrectly coded as complete in passport. The coding has been corrected and an accrual will be made in December.

100 NR-2 Operable Unit (+$0.7M)

The current month positive cost variance is primarily due to performing the accelerated expansion barrier work scope more efficiently than expected and the impact of the point adjustment as a result of the implementation of BCR-PRC-1-001, PMB Rev3 (de-blending resources and other rate impacts associated with the expansion barrier work scope).

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

Underrun is a result of efficiencies in HX construction closeout activities (as-builts and project closeout), DX operations and HX OTP activities.

200 UP-1 Operable Unit (+$0.4M)

The current month positive cost variance is primarily due to S-SX construction activities. Total UP-1 work scope is expected to be completed at or near total contract budget.

Regulatory Decisions and Closure Integration (+$0.3M)

The current month cost variance is a result of completing IS-1 and SW-2 work plans more efficiently than planned.

RL-0030.R1.3

ARRA RL-0030.R1.3 Support Operations ($0.0M/0.0%)

There is no current month schedule variance.

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	49.7	47.0	51.6	(2.7)	-5.4	(4.7)	-9.9	60.4	68.3	(7.9)
ARRA RL-0030.R1.1 Cleanup Operations	175.0	175.0	174.4	0.0	0.0	0.6	0.3	175.0	174.4	0.6
ARRA RL-0030.R1.2 Well Drilling Operations	40.7	40.7	38.3	0.0	0.0	2.4	5.9	40.7	38.3	2.4
Subtotal RL-0030.C	**265.4**	**262.7**	**264.3**	**(2.7)**	**-1.0**	**(1.7)**	**-0.6**	**276.1**	**281.0**	**(4.9)**
Base RL-0030.01 RL 30 (Operations)	387.6	389.5	393.6	1.9	0.5	(4.1)	-1.1	1,170.8	1,175.2	(4.4)
ARRA RL-0030.R1.3 Support Operations	51.4	51.4	50.9	0.0	0.0	0.5	0.9	51.4	50.9	0.5
Total	**704.4**	**703.6**	**708.9**	**(0.8)**	**-0.1**	**(5.3)**	**-0.8**	**1,498.4**	**1,507.2**	**(8.8)**

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.C1 (-$2.7/-5.4%)

Base RL-0030.C1 GW Remedy Implementation (-$2.7M)

200 ZP-1 Operable Unit (-$2.7M)

Negative schedule variance is due to delays associated with Sludge Stabilization System subcontractor submittals, fair cost estimates, award of contracts and design changes.

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-0030.01

Base RL-0030.01 RL 30 (Operations) (+$1.9M/+0.5%)

100 NR-2 Operable Unit (+$2.5M)

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/0.0%)

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.C1 (-$1.7/-0.6%)

Base RL-0030.C1 GW Remedy Implementation (-$4.6M)

200-ZP-1 Operable Unit (-$4.6M)

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 FY2011 including added shifts, overtime, and logistics of working parallel 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 Pump-and-Treat Remedial Design/Remedial Action work plan and preliminary design activities were completed with fewer resources than planned

ARRA RL-0030.R1.1 Cleanup Operations (+$0.6M)

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 decommissionings have also been completed for less than planned.

RL-0030.01

Base RL-0030.01 RL 30 (Operations) (-$4.1M/-1.1%)

Integration & Assessments (+$3.8M)

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 (-$2.3M)

Radiological contamination encountered on two NR-2 wells has caused additional HPT delays and additional support resource requirements (HPTs). In order to recover schedule additional well drilling rigs have been 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)

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 Operable Unit (-$3.6M)

Primary contributors to the negative cost variance are as follows:

- 100 DX extensive effort required to design the pH adjustment system, cost overruns in completing the OU Remedial Process Optimization studies.
- 100 DX higher than expected cost to complete acceptance test plan and the operational test plan
- Cost of realigning wells from DR-5 to 100 DX
- 100 HX Construction Material procurement costs were high and ATP resources to complete exceeded the plan.
- Additional time and resources being spent on internal CERCLA (RI/FS) document development that will be recovered in completed Draft A document

200 PW-1 OU (+$0.9M)

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 (-$1.4M)

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.

RL-0030.R1.3

ARRA RL-0030.R1.3 Support Operations (+$0.5M/+0.9%)

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 (-$1.8M)

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

Estimate at Completion (EAC)

ARRA – The projected variance at completion is positive 1.3%.

Base – The projected variance at completion of negative -1.0% 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	FY2012 Spending Forecast	FY2012 Spend Variance
ARRA	0.6	0.6	0.0
Base	121.1	116.5	4.6

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-PRC12-001R0, Baseline Rev. 3

BCRA-PRC-12-004R0 - November Administrative BCR

FY2012 Management Reserve (Funded):

ARRA = $0.0M

Base = $2.8M

No MR was used in November, 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-015-90	Submit RCRA Facility Investigation /Corrective Measures Study (RFI/CMS) and RI/FS work plan for 200-IS-1 OU to Ecology	TPA	12/31/11		12/15/11	Complete per RL transmittal letter 12-AMCP-0032 (12/6/11)
M-015-93A	Submit Rev'd RFI/CMS & RI/FS Work Plan for SW-2 to Ecology	TPA	12/31/11		12/31/11	Complete per RL transmittal letter 12-AMCP-0031 (12/6/11)
M-091-40L-032	Submittal Jul-Sep 4th Qrtr FY11 Burial Ground Sample Results	TPA	12/15/11		11/30/11	On Schedule. Qrtly letter report transmitted to RL on 11/28/11
M-015-72-T01	Submit RI/FS Report and PP for 300-FF-2/5 OUs for GW and Soil	TPA	12/31/11		12/31/11	On Schedule

Number	Title	Type	Due Date	Actual Date	Forecast Date	Status/ Comment
M-015-91A	Submit RI/FS Work Plan for the 200-WA-1 OU to U.S. Environmental Protection Agency (EPA)	TPA	12/31/11		12/23/11	On Schedule
M-016-122	Begin Phase 1 Operation of 200W Pump-and-Treat System	TPA	12/31/11		12/31/11	On Schedule
M-015-70-T01	Submit Feasibility Study Report and Proposed Plan for 100-HR-1/2/3 and 100-DR-1/2 OUs	TPA	1/12/12		1/12/12	On Schedule
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	3/15/12		3/15/12	On Schedule

Number	Title	Type	Due Date	Actual Date	Forecast Date	Status/ Comment
M-091-40L-033	Submit Oct-Dec 1st Quarter Burial Ground Sample Results	TPA	3/15/12		3/15/12	On Schedule
M-037-03	Submit revised closure plans to support TSD closure of two TSD Units: 216-B-3 Main Pond system and 216-S-10 Pond and Ditch	TPA	4/30/12		4/30/12	Ecology may take lead on producing document.
M-015-64-T01	Submit RI/FS Report and PP for 100-FR-1/2/3 and 100-IU-2/6	TPA	5/14/12		5/14/12	On Schedule
M-024-58E	Initiate Discussions of Well Commitments.	TPA	6/1/12		6/1/12	On Schedule
M-091-40L-034	Submit January to March 2nd Quarter FY-12 Burial Ground Sample Results.	TPA	6/15/12		5/31/12	On Schedule

Number	Title	Type	Due Date	Actual Date	Forecast Date	Status/ Comment
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		6/30/12	On Schedule
M-016-120	GW Treatment System <50 gpm for Tc-99 Plume at S/SX Tank Farm	TPA	8/31/12		4/31/12	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		8/1/12	On Schedule

Number	Title	Type	Due Date	Actual Date	Forecast Date	Status/ Comment
M-015-62-T01	Submit a FS/PP for the 100 NR-1 and 100-NR-2 Operable Units including groundwater and soil.	TPA	9/17/12		9/17/12	On Schedule
M-091-40L-035	Submit April to June 3rd Quarter FY-12 Burial Ground Sample Results	TPA	9/15/12		8/31/12	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)

CH2MHILL
Plateau Remediation Company

K. L. Kehler
Vice President and
Project Manager for
D&D Project

L.T. Blackford
Vice President and
Project Manager for
Waste and Fuels
Management Project

November 2011
CHPRC-2011-11, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

PROJECT SUMMARY

American Recovery and Reinvestment Act (ARRA)

Shipped three TRU Standard Waste Boxes (SWBs) to CWC Complex.

Completed demolition of 209E Administrative Room, Storage Area, Equipment Room, Change Room and Mix Room.

Began demolition of the Critcal Assembly Room (CAR) Room North Wall.

Continued demobilization of the 200W Administration Buildings. All ERDF containers have been shipped.

Base

Completed scheduled Preventative Maintenance (PM) and surveillances number of 27, with 26 completions.

Completed Annual Surveillance of PUREX facilities.

Removed/rebuilt/and replaced two PUREX vacuum pumps to give us three efficient pumps.

Completed repairs to PUREX Exhaust fans to ensure redundancy was maintained.

The Radiation Area Remedial Action (RARA) in cooperation with Ground Water working annual surveillance of the BC crib area.

EMS Objectives and Target Status

Objective #	Objective	Target	Due Date	Status
12-EMS-D&D-OB1-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	

TARGET ZERO PERFORMANCE

	CM Quantity	Rolling 12 Month	Comment
Days Away, Restricted or Transferred	0	2	N/A
Total Recordable Injuries	0	8	N/A
First Aid Cases	0	58	N/A
Near-Misses	0	0	N/A

KEY ACCOMPLISHMENTS

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

- U Canyon Demolition and Cell 30 Disposition
  - Completed demobilization of the 221U Canyon grout batch plant and grout pump equipment.
- 209E Project
  - Completed pre-demolition work activities. Completed demolition of the Administrative Building, Storage Area, Equipment Room, Change Room and Mix Room. Completed removal of the highly contaminated Poly sheets from the Mix Room and the highly contaminated shroud and accumulated contamination from the Mix Room.
  - Removed ventilation piping and duct from the Mix Room in preparation for disposal in SWBs.
- 200W Project
  - Continue demobilization. All ERDF containers have been shipped.

Outer Zone D&D

Base

- Completed Annual Surveillance of PUREX facilities. Removed/Rebuilt/and Replaced two PUREX vacuum pumps to give us three efficient pumps.
- Completed repairs to PUREX exhaust fans to ensure redundancy was maintained.
- The RARA team in cooperation with Ground Water working annual surveillance of the BC crib area.
- Completed 26 of 27 scheduled PMs and surveillances.

MAJOR ISSUES

Issue: The final end state of 6652L needs to be provided by RL so that the planning on how to proceed can be started. This is specifically in regards to the significant amount of asbestos which is left in the facility.

Corrective Action: Definition of end state/regulatory agreements is required in writing

Status: Work on hold until end state decision can be made, which also impacts the estimate and schedule for the project.

RISK MANAGEMENT STATUS

Unassigned Risk
Risk Passed
New Risk

Working - No Concerns
Working - Concern
Working - Critical

Increased Confidence
No Change
Decreased Confidence

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
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.			
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.			
D4-036: Readiness Reviews Required	Probability of risk occurring is low; risk accepted without mitigation			Due to change in procedure, probability is increasing. A change in criteria can require a change to process and potentially delay the project.
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.			No issues at this time.
D4-S-033: Semi-Works Zone Closure - Regulatory Documents Delayed	Develop various regulatory documents to ensure the documents are submitted sufficiently early to obtain needed DOE or regulator approvals prior to planned start of work.			Evaluation of the path forward for below-grade tanks has been completed and the tanks will require full removal as opposed to being disposed in place. Risk realized, BCR to be developed for incorporation into Baseline.
D4-S-057: 209-E Fire System Deactivation	The plan is to shut off all utilities as part of the 209-E deactivation in preparation for demolition.			Risk Closed as part of the PMB Rev_3 Analysis
WSR-006: Decision DocumentApproval Delays	Work with RL and regulators to establish priorities and need dates.			
WSR-007: More Extensive Contamination Than Expected	Cannot control extent of contamination; no mitigation.			
WSR-008: No Action Waste Sites	Using L-8 table data; no mitigation.			
WSR-021: Remediation Subcontractor Performance	This risk is accepted as written and will be monitored throughout work execution.			
WSR-028: Unexpected Liquid in Pipelines/Tanks	Anticipate liquids in field work plans; include spill response plans in RD/RAWPs.			

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	-0.1	0.8	1.7	1.0	-643.2	-0.9	-112.2
Outer Zone	-4.8	-0.4	0.1	4.4	-91.8	-0.5	122.8
ARRA Total	**-4.9**	**0.4**	**1.8**	**5.4**	**-108.4**	**-1.4**	**-333.6**
Base	0.8	0.9	0.8	0.1	11.3	0.1	8.7
Total	**-4.1**	**1.3**	**2.6**	**5.5**	**-131.6**	**-1.3**	**-100.6**

Numbers are rounded to the nearest $0.1M

ARRA

CM Schedule Performance: (+$5.4M/-108.4%)

ARRA RL-0040.R1.1 U Plant/Other D&D (+$1.0M) Variance is within reporting threshold.

ARRA RL-0040.R1.2 ($4.4M) The positive schedule variance is due to the implementation of Rev. 3 BCR this month.

CM Cost Performance: (-$1.4M/-333.6%)

ARRA RL-0040.R1.1 U Plant/Other D&D (-$0.9M) Variance is within reporting threshold.

ARRA RL-0040.R1.2 (-$0.5M) Variance is within reporting threshold.

Base

CM Schedule Performance: (+$0.1M/+11.3%)

Variance is within reporting threshold.

CM Cost Performance: (+$0.1M/+8.7%)

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	198.3	197.4	191.2	(0.9)	-0.4	6.2	3.2	199.4	191.5	8.8
Outer Zone	84.3	84.3	71.7	0.0	0.0	12.6	15.0	87.3	75.0	14.1
ARRA Total	**282.6**	**281.7**	**262.9**	**(0.9)**	**-0.3**	**18.8**	**6.7**	**286.7**	**266.5**	**22.9**
Base	70.1	70.2	62.1	0.1	0.2	8.1	11.6	719.7	730.7	8.1
Total	**352.7**	**351.9**	**325.0**	**(0.8)**	**-0.2**	**26.9**	**7.7**	**1,006.4**	**997.2**	**31.0**

Numbers are rounded to the nearest $0.1M

ARRA

CTD Schedule Performance: (-$0.9M/-0.3%)

ARRA RL-0040.R1.1 U Plant/Other D&D (-$0.9M) The unfavorable schedule variance is due to delays with the 209E Project.

ARRA RL-0040.Rl.2 Outer Zone D&D (-$0.0M) Variances is within threshold.

CTD Cost Performance: (+$18.8M/+6.7%)

ARRA RL-0040.R1.1 U Plant/Other D&D (+$6.2M) 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) (+$4.2M); overhead allocations (+$11.5 M), less than anticipated resources for Program Management (+$2.4M) and C-3 Sampling (+$0.7M); lower than planned costs for capital equipment (D4) (+$3.0M), and less asbestos abatement required for 200W buildings (+$3.5M) and minor accounts not within threshold (+0.2M). 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) (-$8.2M), coupled with increased insulator staff and the use of overtime to recover schedule, 200E Administration (-$1.7M) and 209E Project delays (-$4.9M), less resources required at U Canyon (D4) (-1.1M), and Usage Based Services higher than planned (-$3.4M).

ARRA RL-0040.Rl.2 Outer Zone D&D (+$12.6M) The favorable cost variance is due to efficiencies in Arid Lands Ecology (ALE), North Slope Facilities, disposition of railcars D&D (+$7.0M), and Outer Area waste sites (+$6.7M). 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 (-$1.1M) due to the walls of the basins being much thicker than estimated.

Base

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

All variances are within thresholds.

CTD Cost Performance: (+$8.1M/+11.6%)

Recognized efficiencies for demolition of the Industrial 7 Project (D4) (+$1.1M) as a result of utilization of existing site equipment and materials, surveillance and maintenance costs (D4) less than expected (+$1.9M), completion of the sampling of Cell 30 with less resources than planned (+$0.9M), Program Management utilizing less resources (+$2.2M), capital equipment (+$0.3M), Usage Base Services (-$0.4M), and underrun in overhead allocations (+$2.1M).

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 October to November for both ARRA and Base, are within reporting thresholds.

FUNDS vs. SPEND FORECAST ($M)

	FY2012		
WBS 040/RL-0040 Nuclear Facility D&D	**Projected Funding**	**Spending Forecast**	**Spend Variance**
ARRA	9.2	9.2	0.0
Base	12.2	11.8	0.4

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-12-001R0, PRC Baseline, Rev. 3.

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)

CH2MHILL
Plateau Remediation Company

K. L. Kehler
Vice President and
Project Manager for
D&D Project

November 2011
CHPRC-2011-11, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

PROJECT SUMMARY

American Recovery and Reinvestment Act (ARRA)

Facilities

- Continued demolition of the 190KW Main Pump House Structure.

Base

Facilities

- The conceptual design/construction specifications for the 105KE Reactor Disposition Interim Safe Storage (ISS) were completed. Initial review of the conceptual design began in November.
- Continued sediment load-out of 183.2KE Basin.
- Continued with erecting scaffolding and demolition preparation at 183.7 Structure.
- Continued with asbestos abatement on 105KE tunnel.

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

	CM Quantity	Rolling 12 Month	Comment
Days Away, Restricted or Transferred	0	2	N/A
Total Recordable Injuries	0	4	N/A
First Aid Cases	0	22	N/A
Near-Misses	0	2	N/A

KEY ACCOMPLISHMENTS

ARRA

Facilities

- Continued demolition of 190KW Main Pump House.

Other

- Continued sediment load-out of 183.2KE Basin sediment.
- Continued with asbestos abatement of 105KE tunnel.
- Continued with erecting scaffolding and demolition preparation at 183.7 Structure.

Base

Facilities

- The conceptual design/construction specifications for the 105KE Reactor Disposition ISS SSE were completed. Initial review of the conceptual design began in November.

Waste Sites

- The Verification Sampling Instructions (VSI) and Sampling for Area AA Zone 3 was approved. Backfill for Area AA Zone 3 was completed as anticipated in November.
- The Area AA Zone 4 VSI was completed in November. The backfill for Area AA Zone 4 was also completed as anticipated in November.
- Area AG Zone 2 Modification of Road for JLG was completed. This is in preparation for work starting on 105KE Reactor building for temporary reactor sealing's.
- The MOA for Area AM is being reviewed. Work on the removal of the 1908K Structure and waste sites 100-K-80, 96, 81, 83, and 116-K-3 will not begin until the MOA is agreed upon.
- Area AA Zone 1 pipeline 100-K-102 was identified as needing to be RTD.

MAJOR ISSUES

Issue – RL-0041 Waste Site Remediation will probably not be able to complete the remediation work scope tied to waste sites 100-K-57 and 100-K-64 by December 31, 2012. The sites are located in an area of extreme cultural sensitivity. The inability to complete this work by December 31, 2012, is being driven by the lack of an approved cultural resources mitigation action plan.

Corrective Action – Move this waste site from TPA Phase 1 to TPA Phase 3.

Status – CHPRC drafted a TPA change package for RL to present to EPA for approval that will move this waste site from TPA Phase 1 to TPA Phase 3. RL presented the change package to EPA, but EPA is not inclined to move the sites into a later TPA Phase.

RISK MANAGEMENT STATUS

Unassigned Risk
Risk Passed
New Risk

Working - No Concerns
Working - Concern
Working - Critical

Increased Confidence
No Change
Decreased Confidence

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
WSR-007: More Extensive Contamination Than Expected	Cannot control extent of contamination; no mitigation.			No issues this past month
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.			It has been demonstrated that with ISS of 105KE, two significant plumes will not be full remediated under 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 precipitiation 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	This risk will be monitored throughout work execution.			Due to the complexities of the MOA process it is not likely and it is too early to tell if remediation can be accomplished by December 31, 2012, putting the associated TPA Milestone (M-016-53; due December 31, 2012) at risk.
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.			Additional direct pushes and associated logging, along with pothole samples are being looked at as an option to better understand the path of contamination movement to the east and west and to the south around 105KE Reactor and former fuel storage basin. Logging data and sample results will be evaluated and used to assess the radiololical inventory around and under the 105KE Reactor building.
KBC-045: 100 K East Basin Soil Disposition	Treatment will likely be in the form of waste blending in accordance with DSA for that site.			This situation continues to be managed as load out effort continues from the 100-K-42 waste site.

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	1.2	2.7	1.0	1.5	119.6	1.7	61.3
Base	1.6	2.3	0.6	0.7	41.4	1.7	72.0
Total	**2.8**	**5.0**	**1.6**	**2.2**	**75.2**	**3.4**	**66.2**

Numbers are rounded to the nearest $0.1M

ARRA

CM Schedule Performance: (+$1.5M/+119.6%)

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

100K Area Project (Facilities and Others) (+$1.5M) The positive variance is due to good progress being accomplished on the demolition of 190KW based on previous experience with the demolition of the 190KE structure. In addition, the KW Annex demolition was accelerated due to a change in the method of performance.

CM Cost Performance: (+$1.7M/+61.3%)

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

100K Area Project (+$1.5M) The positive cost variance is due to less resources being utilized for 190KW than planned.

Base

CM Schedule Performance (+$0.7M/+41.4%)

Waste Sites (+$0.9M) The positive schedule variance is within reporting threshold.

100K Area Project (Facilities and Others) (-$0.2M) The negative variance is within reporting threshold.

CM Cost Performance (+$1.7M/+72.0%)

Waste Sites (+$1.1M) The positive cost variance is due to sub-contracts under accrued for the month.

100K Area Project (+0.6M) The positive variance is within reporting threshold.

Contract-to-Date
($M)

WBS 041/ RL-0041 Nuclear Facility D&D – River Corridor	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance ($)	Schedule Variance (%)	Cost Variance ($)	Cost Variance (%)	Budget at Completion (BAC)	Estimate at Completion (EAC)	Variance at Completion (VAC)
ARRA	175.6	176.4	176.4	0.8	0.4	0.1	-0.1	179.7	178.1	(1.8)
Base	80.2	82.7	66.7	2.5	3.1	16.0	19.4	312.8	344.6	9.5
Total	**255.8**	**259.1**	**243.1**	**3.3**	**1.3**	**16.1**	**6.2**	**492.5**	**522.6**	**7.7**

Numbers are rounded to the nearest $0.1M

ARRA

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

Waste Sites (+$0.0M) The variance is within reporting thresholds.

100K Area Project (+$0.8M) The positive schedule variance is due to good progress being accomplished on the demolition of 190KW based on previous experience with the demolition of the 190KE structure. In addition, the KW Annex was accelerated due to work stoppage in the Basin which allowed resources to be diverted to the Annex.

CTD Cost Performance: (-$0.1M/-0.1%)

Waste Sites (+$8.8M) 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 (-8.9M) 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/+3.1%)

Waste Sites (+$2.3M) The positive schedule variance is due mainly to CSNA sites that were completed ahead of schedule partially offset by delays related to demolition of the 105KE Fuel Storage Basin discharge chute and the 100K Area utility switchover.

100K Area Project (Facilities and Others) (+$0.2M) The positive schedule variance is within threshold.

CTD Cost Performance (+$16.0M/+19.4%)

Waste Sites (+$12.1M) 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) (+$3.9M) 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.

FUNDS vs. SPEND FORECAST

($M)

	FY2012		
WBS 041/RL-0041 Nuclear Facility D&D – River Corridor	**Projected Funding**	**Spending Forecast**	**Spend Variance**
ARRA	6.5	6.5	0.0
Base	36.1	35.0	1.2

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-PRC12-001R0, Baseline Rev. 3

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 currently identified.

Appendix A

Contract Performance Reports

Format 1 - Work Breakdown Structure

Format 2 - Organizational Categories

Format 3 - Baseline

Format 4 - Staffing

Format 5 - Explanation and Problem Analysis

CH2MHILL
Plateau Remediation Company

November 2011
CHPRC-2011-11, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

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

CLASSIFICATION (When Filled In)

CONTRACT PERFORMANCE REPORT
FORMAT 1 - WORK BREAKDOWN STRUCTURE

DOLLARS IN Thousands of $

FORM APPROVED
OMB No. 0704-0188

1. CONTRACTOR	2. CONTRACT		3. PROGRAM	4. REPORT PERIOD
a. NAME CH2M HILL Plateau Remediation Company	a. NAME Plateau Remediation Contract		a. NAME Plateau Remediation Contract	a. FROM (YYYYMMDD) 2011 / 10 / 24
b. LOCATION (Address and ZIP Code) Richland, WA	b. NUMBER RL14788		b. PHASE	b. TO (YYYYMMDD) 2011 / 11 / 20
	c. TYPE CPAF	d. SHARE RATIO	c. EVMS ACCEPTANCE NO YES X 9/18/2009	

5. CONTRACT DATA

a. QUANTITY	b. NEGOTIATED COST	c. ESTIMATED COST OF AUTHORIZED UNPRICED WORK	d. TARGET PROFIT/ FEE	e. TARGET PRICE	f. ESTIMATED PRICE	g. CONTRACT CEILING	h. ESTIMATED CONTRACT CEILING	i. DATE OF OTB/OTS
	5,401,410	349,883	250,237	5,651,647	6,636,587	5,651,647	6,636,587	

6. ESTIMATED COST AT COMPLETION

	MANAGEMENT ESTIMATE AT COMPLETION (1)	CONTRACT BUDGET BASE (2)	VARIANCE (3)
a. BEST CASE	6,299,107		
b. WORST CASE	6,416,667		
c. MOST LIKELY	6,386,350	5,751,293	(635,057)

7. AUTHORIZED CONTRACTOR REPRESENTATIVE

a. NAME (Last, First, Middle Initial)	b. TITLE	c. SIGNATURE	d. DATE SIGNED
Bang, M.V.	Prime Contract Manager		11/20/2011

8. PERFORMANCE DATA

WBS[1]	CURRENT PERIOD					CUMULATIVE TO DATE					REPROGRAMMING ADJUSTMENTS			AT COMPLETION		
	BUDGETED COST		ACTUAL COST	VARIANCE		BUDGETED COST		ACTUAL COST	VARIANCE							
ITEM (1)	WORK SCHEDULED (2)	WORK PERFORMED (3)	WORK PERFORMED (4)	SCHEDULE (5)	COST (6)	WORK SCHEDULED (7)	WORK PERFORMED (8)	WORK PERFORMED (9)	SCHEDULE (10)	COST (11)	COST VARIANCE (12a)	SCHEDULE VARIANCE (12b)	BUDGET (13)	BUDGETED (14)	ESTIMATED (15)	VARIANCE (16)
011 RL-11 NM Stabilization and Disposition PFP	12,341	13,590	9,491	1,249	4,099	433,982	432,183	441,768	(1,800)	(9,585)	0	0	0	889,184	896,442	(7,258)
012 RL-12 SNF Stabilization and Disposition	3,776	5,880	7,586	2,104	(1,706)	260,171	261,837	262,305	1,666	(469)	0	0	0	625,569	624,659	910
013 RL-13 Solid Waste Stabilization & Disposition	5,747	7,748	7,184	2,001	564	628,528	627,699	628,826	(828)	(1,127)	0	0	0	1,828,162	1,828,570	(408)
030 RL-30 Soil & Wtr Remediatn Grndwtr/Vadose Zone	9,650	11,458	10,950	1,808	509	704,422	703,599	708,893	(823)	(5,294)	0	0	0	1,498,368	1,507,162	(8,795)
040 RL-40 Nuclear Facility D&D Remainder of Hanford	(4,155)	1,312	2,631	5,467	(1,319)	352,716	351,939	324,941	(777)	26,997	0	0	0	970,127	935,083	35,044
041 RL-41 Nuclear Facility D&D - River Corridor	2,858	5,009	1,692	2,151	3,317	255,805	259,046	243,099	3,241	15,947	0	0	0	492,586	483,089	9,497
042 RL-42 FFTF Closure	133	133	77	0	56	12,261	12,261	10,933	0	1,327	0	0	0	25,429	24,101	1,327
b. Cost of Money	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
c. Gen. and Admin.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
d. Undist. Budget																
e. Sub Total	**30,351**	**45,130**	**39,612**	**14,779**	**5,518**	**2,647,884**	**2,648,563**	**2,620,766**	**679**	**27,797**	0	0	0	**6,329,424**	**6,299,107**	**30,317**
f. Management Reserve														87,243		
g. Total	**30,351**	**45,130**	**39,612**	**14,779**	**5,518**	**2,647,884**	**2,648,563**	**2,620,766**	**679**	**27,797**	0	0	0	**6,416,667**		
9. Reconciliation to CBB																
a. Variance Adjustment																
b. Total Contract Variance									**679**	**27,797**				**6,416,667**	**6,299,107**	**117,560**

CLASSIFICATION (When Filled In)

CONTRACT PERFORMANCE REPORT FORMAT 2 - ORGANIZATIONAL CATEGORIES			DOLLARS IN __ Thousands of $	FORM APPROVED OMB No. 0704-0188
1. CONTRACTOR	2. CONTRACT		3. PROGRAM	4. REPORT PERIOD
a. NAME CH2M HILL Plateau Remediation Company	a. NAME Plateau Remediation Contract		a. NAME Plateau Remediation Contract	a. FROM (YYYYMMDD) 2011 / 10 / 24
b. LOCATION (Address and ZIP Code) Richland, WA	b. NUMBER RL14788		b. PHASE	b. TO (YYYYMMDD) 2011 / 11 / 20
	c. TYPE CPAF	d. SHARE RATIO	c. EVMS ACCEPTANCE NO YES X 9/18/2009	

5. PERFORMANCE DATA

FOC / ITEM (1)	CURRENT PERIOD: BUDGETED COST WORK SCHEDULED (2)	BUDGETED COST WORK PERFORMED (3)	ACTUAL COST WORK PERFORMED (4)	VARIANCE SCHEDULE (5)	VARIANCE COST (6)	CUMULATIVE TO DATE: BUDGETED COST WORK SCHEDULED (7)	BUDGETED COST WORK PERFORMED (8)	ACTUAL COST WORK PERFORMED (9)	VARIANCE SCHEDULE (10)	VARIANCE COST (11)	REPROGRAMMING ADJUSTMENTS: COST VARIANCE (12a)	SCHEDULE VARIANCE (12b)	BUDGET (13)	AT COMPLETION: BUDGETED (14)	ESTIMATED (15)	VARIANCE (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	(77)	0	77	2,996	2,996	2,996	0	0	0	0	0	2,996	2,996	0
012.A3 - PSD WFR	0	0	(1)	0	1	22	22	22	0	0	0	0	0	22	22	0
013.A3 - PSD WFR	0	0	(306)	0	306	12,490	12,490	12,490	0	0	0	0	0	12,490	12,490	0
040.A3 - PSD WFR	0	0	(33)	0	33	2,053	2,053	2,053	0	0	0	0	0	2,053	2,053	0
041.A3 - PSD WFR	0	0	(98)	0	98	2,568	2,568	2,568	0	0	0	0	0	2,568	2,568	0
	0	**0**	**(514)**	**0**	**514**	**20,128**	**20,128**	**20,128**	**0**	**0**	**0**	**0**	**0**	**20,128**	**20,128**	**0**
34 - Environmental Prog & Strategic Planning																
030.2 - Envr Prog & Strategic Planning	382	396	455	14	(59)	32,543	32,127	29,632	(416)	2,495	0	0	0	76,695	74,203	2,492
	382	**396**	**455**	**14**	**(59)**	**32,543**	**32,127**	**29,632**	**(416)**	**2,495**	**0**	**0**	**0**	**76,695**	**74,203**	**2,492**
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	8	0	(8)	23,047	23,047	23,323	0	(276)	0	0	0	23,047	23,323	(276)
	0	**0**	**8**	**0**	**(8)**	**44,816**	**44,816**	**45,091**	**0**	**(276)**	**0**	**0**	**0**	**44,816**	**45,091**	**(276)**
3A - 100K Area Project																
012.1 - 100 K Area Project	1,513	2,785	2,327	1,272	458	89,095	89,760	92,089	665	(2,330)	0	0	0	247,243	249,401	(2,158)
012.2 - Sludge Treatment Project	2,263	3,095	5,260	832	(2,165)	118,655	119,656	117,980	1,001	1,676	0	0	0	325,904	323,022	2,882
040.1 - PRC D&D	(144)	820	1,897	963	(1,078)	188,580	187,692	183,573	(888)	4,119	0	0	0	418,247	405,970	12,276
040.2 - D&D Fac Waste Site Remediation	(4,855)	(371)	44	4,485	(415)	67,490	67,601	60,073	111	7,528	0	0	0	378,476	371,059	7,417
041.1 - River Zone	2,593	3,890	1,808	1,297	2,082	145,977	146,892	161,105	915	(14,213)	0	0	0	339,888	356,844	(16,955)
041.3 - Waste Sites	265	1,119	(18)	854	1,137	57,293	59,619	38,720	2,326	20,899	0	0	0	100,163	82,972	17,191
	1,636	**11,338**	**11,318**	**9,702**	**19**	**667,090**	**671,220**	**653,541**	**4,130**	**17,679**	**0**	**0**	**0**	**1,809,921**	**1,789,268**	**20,653**
3B - PFP Closure, BOS & Infrastructure																
011.1 - Plutonium Finishing Plant	12,341	13,590	9,568	1,249	4,022	350,942	349,142	365,580	(1,800)	(16,438)	0	0	0	806,144	820,255	(14,111)
	12,341	**13,590**	**9,568**	**1,249**	**4,022**	**350,942**	**349,142**	**365,580**	**(1,800)**	**(16,438)**	**0**	**0**	**0**	**806,144**	**820,255**	**(14,111)**
3C - Waste & Fuels Management Project																
013.1 - Waste Management	5,747	7,748	7,490	2,001	258	523,606	522,778	523,053	(828)	(275)	0	0	0	1,723,240	1,722,797	443
042.1 - FFTF	133	133	77	0	56	10,657	10,657	9,419	0	1,238	0	0	0	23,825	22,587	1,238
040.3 - PRC Fac & Waste Site Maint	844	863	722	19	140	25,379	25,379	23,110	(0)	2,268	0	0	0	102,138	99,869	2,268
	6,724	**8,744**	**8,290**	**2,020**	**454**	**559,642**	**558,813**	**555,582**	**(828)**	**3,231**	**0**	**0**	**0**	**1,849,203**	**1,845,253**	**3,950**
3D - Soil & Groundwater Remediation																
030.1 - Soil & GW Remediation	6,436	7,940	5,422	1,503	2,517	324,750	326,925	316,396	2,176	10,529	0	0	0	1,060,146	1,049,842	10,304
	6,436	**7,940**	**5,422**	**1,503**	**2,517**	**324,750**	**326,925**	**316,396**	**2,176**	**10,529**	**0**	**0**	**0**	**1,060,146**	**1,049,842**	**10,304**
3F - Engineering, Projects & Construction																
030.3 - EPC - Groundwater	2,832	3,123	5,064	291	(1,941)	251,208	248,627	259,916	(2,582)	(11,290)	0	0	0	265,607	280,168	(14,561)
	2,832	**3,123**	**5,064**	**291**	**(1,941)**	**251,208**	**248,627**	**259,916**	**(2,582)**	**(11,290)**	**0**	**0**	**0**	**265,607**	**280,168**	**(14,561)**
b. Cost of Money	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
c. Gen. and Admin.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
d. Undist. Budget																
e. Sub Total	**30,351**	**45,130**	**39,612**	**14,779**	**5,004**	**2,647,884**	**2,648,563**	**2,620,766**	**679**	**27,797**	**0**	**0**	**0**	**6,329,424**	**6,299,107**	**30,317**
f. Management Resrv.														87,243		
g. Total	**30,351**	**45,130**	**39,612**	**14,779**	**5,518**	**2,647,884**	**2,648,563**	**2,620,766**	**679**	**27,797**	**0**	**0**	**0**	**6,416,667**		

NOVEMBER

CONTRACT PERFORMANCE REPORT FORMAT 3 - BASELINE DOLLARS IN THOUSANDS														Form Approved OMB No. 0704-0188	
1. CONTRACTOR CH2M HILL Plateau Remediation Company b. LOCATION: Richland, WA			2. CONTRACT a. NAME: Plateau Remediation Contract b. NUMBER: RL14788 c. TYPE: CPAF d. SHARE RATIO:					3. PROGRAM a. NAME: Plateau Remediation Contract b. PHASE c. EVMS ACCEPTANCE NO YES X 9/18/2009						4. REPORT PERIOD a. FROM: 2011/10/24 b. TO: 2011/11/20	
5. CONTRACT DATA															
a. ORIGINAL NEGOTIATED COST 4,312,366			b. NEGOTIATED CONTRACT CHANGE $1,089,044		c. CURRENT NEGOTIATED COST (A + B) $5,401,410		d. ESTIMATED COST AUTH UNPRICED WORK 349,883	e. CONTRACT BUDGET BASE (C + D) $5,751,293		f. TOTAL ALLOCATED BUDGET $6,416,667		g. DIFFERENCE (E - F) ($665,374)		
h. CONTRACT START DATE 6/19/2008			i. DEFINITIZATION DATE 6/19/2008		j. PLANNED COMPL DATE 9/30/2018			k. CONT COMPLETION DATE 9/30/2018				l. EST COMPLETION DATE 9/30/2018			
6. PERFORMANCE DATA			BUDGETED COST FOR WORK SCHEDULED (NON - CUMULATIVE)												
ITEM (1)	BCWS CUM TO DATE (2)	BCWS FOR REPORT PERIOD (3)	SIX MONTH FORECAST +1 Dec-11 (4)	 +2 Jan-12 (5)	 +3 Feb-12 (6)	 +4 Mar-12 (7)	 +5 Apr-12 (8)	 6+ May-12 (9)	FY09 (10)	FY10 (11)	FY11 (12)	FY12 (13)	OUT YEARS (14)	UNDISTRIB BUDGET (15)	TOTAL BUDGET (16)
a. PM BASELINE															
(BEGIN OF PERIOD)	**2,617,533**	**30,351**	**44,128**	**31,689**	**34,919**	**41,115**	**31,182**	**38,692**	**653,426**	**960,017**	**1,002,105**	**396,643**	**3,597,260**	**0**	**6,609,451**
b. BASELINE CHANGES AUTH DURING REPORT PERIOD															
BCR-PRC-12-001R0 - PRC Baseline, Rev. 3												30,268	(310,296)		**(280,028)**
BCRA-PRC-12-004R0 - November 2011 Admin BCR												0	0		**0**
c. PM BASELINE (END OF PERIOD)	**2,647,884**		**45,641**	**34,248**	**36,437**	**43,881**	**33,807**	**41,575**	**653,426**	**960,017**	**1,002,105**	**426,911**	**3,286,964**	**0**	**6,329,424**
7. MANAGEMENT RESERVE															87,243
8. TOTAL															**6,416,667**

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) 2011 / 10 / 24
b. LOCATION (Address and ZIP Code) Richland, WA	b. NUMBER RL14788		b. PHASE	b. TO (YYYYMMDD) 2011 / 11 / 20
	c. TYPE CPAF	d. SHARE RATIO	c. EVMS ACCEPTANCE NO 9/18/2009	

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

FOC Group by FOC / ITEM	ACTUAL CURRENT PERIOD	ACTUAL END OF CURRENT PERIOD (Cumulative)	FORECAST (Non-Cumulative) SIX MONTH FORECAST +1 Dec	+2 Jan	+3 Feb	+4 Mar	+5 Apr	+6 May	SPECIFIED PERIODS REM FY12	FY13	FY14-18	AT COMPLETION
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(11)	(12)	(13)	(15)
30B - WBS 98 PSD Distribution												
011.A1 - Project Specific Distributables	0	1	0	0	0	0	0	0	0	0	0	1
013.A1 - Project Specific Distributables	0	0	0	0	0	0	0	0	0	0	0	0
030.A1 - Project Specific Distributables	0	0	0	0	0	0	0	0	0	0	0	0
040.A1 - Project Specific Distributables	0	0	0	0	0	0	0	0	0	0	0	0
	0	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**
31 - Communications & Outreach												
000.1 - Communications & Outreach	11	462	7	7	7	7	7	7	28	84	420	1,036
	11	**462**	**7**	**7**	**7**	**7**	**7**	**7**	**28**	**84**	**420**	**1,036**
32 - Safety, Health, Security & Quality												
000.2 - Safety,Health,Security/Quality	87	3,842	76	75	75	74	74	74	295	730	2,889	8,205
	87	**3,842**	**76**	**75**	**75**	**74**	**74**	**74**	**295**	**730**	**2,889**	**8,205**
34 - Environmental Prog & Strategic Planning												
000.4 - Environmental Prog & Strategic Planning	25	770	22	22	22	22	22	22	89	264	957	2,214
030.2 - Envr Prog & Strategic Planning	24	1,241	24	28	22	26	28	26	99	259	1,702	3,456
	49	**2,011**	**46**	**50**	**45**	**48**	**50**	**48**	**189**	**522**	**2,660**	**5,670**
35 - Business Services												
000.6A - Expense PSD	1	1,302	0	0	0	0	0	0	0	0	0	1,302
000.8 - Chief Financial Officer	116	4,308	105	106	106	106	104	104	417	1,178	5,519	12,052
000.9 - Chief Information Officer	0	4	0	0	0	0	0	0	0	0	0	4
011.9T - Ramp Up/Transition - Training	0	15	0	0	0	0	0	0	0	0	0	15
013.9F - Ramp Up/Transition - Fac	0	1	0	0	0	0	0	0	0	0	0	1
013.9T - Ramp Up/Transition - Training	0	11	0	0	0	0	0	0	0	0	0	11
030.9F - Ramp Up/Transition - Fac	0	272	0	0	0	0	0	0	0	0	0	272
030.9T - Ramp Up/Transition - Training	0	7	0	0	0	0	0	0	0	0	0	7
040.9F - Ramp Up/Transition - Fac	0	2	0	0	0	0	0	0	0	0	0	2
040.9T - Ramp Up/Transition - Training	0	18	0	0	0	0	0	0	0	0	0	18
041.9F - Ramp Up/Transition - Fac	0	1	0	0	0	0	0	0	0	0	0	1
041.9T - Ramp Up/Transition - Training	0	13	0	0	0	0	0	0	0	0	0	13
	116	**5,953**	**105**	**106**	**106**	**106**	**104**	**104**	**417**	**1,178**	**5,519**	**13,698**
36 - Prime Contract & Project Integration												
000.7 - Contract and Baseline Management	54	1,495	44	43	42	42	42	42	164	492	2,313	4,718
	54	**1,495**	**44**	**43**	**42**	**42**	**42**	**42**	**164**	**492**	**2,313**	**4,718**
39 - PS&S G&A Adder Offset												
000.5B - PS&S G&A Adder Offset	0	0	0	0	0	0	0	0	0	0	0	0
	0	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
3A - 100K Area Project & BOS D&D												
012.1 - 100 K Area Project	130	5,191	174	160	159	157	103	93	376	1,257	2,266	9,936
012.2 - Sludge Treatment Project	148	4,322	105	112	111	115	149	177	703	1,506	2,641	9,940
040.1 - PRC D&D	46	7,383	43	3	0	0	0	15	81	0	6,938	14,464
040.2 - D&D Fac Waste Site Remediation	0	1,341	0	0	0	0	0	0	0	0	3,813	5,154
041.1 - River Zone	63	4,980	72	99	106	116	116	118	452	715	3,707	10,482
041.3 - Waste Sites	9	987	3	4	6	3	3	3	11	7	911	1,937
	396	**24,204**	**397**	**378**	**381**	**391**	**372**	**406**	**1,623**	**3,485**	**20,276**	**51,914**
3B - PFP Closure												
011.1 - Plutonium Finishing Plant	519	22,181	503	518	509	507	506	515	2,060	6,496	8,430	42,227
	519	**22,181**	**503**	**518**	**509**	**507**	**506**	**515**	**2,060**	**6,496**	**8,430**	**42,227**
3C - Waste & Fuels Management Project												
013.1 - Waste Management	389	27,791	346	348	348	346	346	346	1,472	4,347	31,798	67,488
013.3 - Solid Waste Variable	10	543	9	9	9	9	9	9	36	108	540	1,281
040.3 - PRC Fac & Waste Site Maint	45	1,671	50	50	50	58	58	50	203	600	2,821	5,610
042.1 - FFTF	6	526	7	7	7	7	7	7	28	83	413	1,092
	450	**30,532**	**412**	**414**	**414**	**420**	**420**	**412**	**1,739**	**5,138**	**35,572**	**75,472**
3D - Soil & Groundwater Remediation												
030.1 - Soil & GW Remediation	260	13,259	285	309	301	280	303	290	1,292	3,591	18,283	38,193
	260	**13,259**	**285**	**309**	**301**	**280**	**303**	**290**	**1,292**	**3,591**	**18,283**	**38,193**
3F - Engineering, Projects & Construction												
000.F - Eng/Procurement & Construction	22	1,056	19	19	19	19	19	19	74	187	766	2,194
030.3 - EPC - Groundwater	122	2,956	80	70	58	42	39	9	19	26	128	3,427
	145	**4,013**	**98**	**89**	**77**	**61**	**57**	**27**	**93**	**213**	**894**	**5,621**
Grand Totals:	**2,086**	**107,953**	**1,974**	**1,989**	**1,957**	**1,935**	**1,936**	**1,925**	**7,901**	**21,930**	**97,255**	**246,756**

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)** **2011/10/24**
b. LOCATION (Address and ZIP Code) Richland, WA 99354	**b. NUMBER** RL		**b. PHASE** Base and ARRA	**b. TO (YYYY/MM/DD)** **2011/11/20**
	c. TYPE CPAF	**d. SHARE RATIO**	**c. EVMS ACCEPTANCE** **2009/09/18** **NO YES X**	

	BCWS	BCWP	ACWP	SV in $	SV in %	CV in $	CV %	SPI	CPI
Current:	30,351	45,130	39,612	14,779	48.7%	5,518	12.2%	1.49	1.14
Cumulative:	2,647,884	2,648,563	2,620,766	679	0.0%	27,797	1.0%	1.00	1.01
	BAC	**EAC**	**VAC in $**	**VAC in %**	**CPI to BAC**	**CPI to EAC**			
At Complete:	6,329,424	6,299,107	30,317	0.5%	1.0	1.0			

Explanation of Variance/Description of Problem:

Current Period Schedule Variance: The favorable Schedule Variance (+$14.8M) reflects the following:

The RL-11 variance (+$1.2M) is primarily a result of adjusted BCWS/BCWP following implementation of BCR-PRC-12-001R0, *FY2012-FY2018 Lifecycle Update, PRC Baseline Revision 3.* Without the adjustment, there is an unfavorable variance of -$0.8M due to RMA/RMC and PRF schedule delays. The RL-12 variance (+$2.1M) is primarily due to the point adjustments related to implementation of PMB-3 (BCR-PRC-12-001R0) in November. RL-12 prepared for a December implementation, with the eventual implementation in November a larger point adjustment resulted. The RL-13 (+$2.0M) positive variance in RL-13 is primarily due to the implementation of the Rev 3 PMB which rephased MLLW treatment of TRU Retrieval dropouts (to out years), coupled with schedule recovery for TRU Retrieval Layup. The RL-30 positive variance (+$1.8M) is primarily due to implementation of BCR-030-12-001R0. The primary areas impacted with positive schedule variance due to the point adjustment were NR-2 barrier infiltration which was completed early and CERCLA document work scope that was replanned in later years due to funding constraints. The RL-40 positive variance (+$5.5M) results from completing workscope that had been delayed/behind schedule from prior periods (200 West Adm Building, U Canyon and Disposition of Rail Cars) and implementation of Rev. 3 Baseline Change Request for Waste Site. RL-41 (+$2.2M) positive variance is within reporting threshold. The RL-42 variances are within reporting thresholds (+$0.0M).

Current Period Cost Variance: The favorable Cost Variance (+$5.5M) is largely due to RL-11 (+$4.1M). RL-11 variance (+$4.1M) results from the PMB Offset processed this period, which increased BCWS and BCWP on adjusted FY2011 activities. Without the adjustment, there is an unfavorable variance of $2.5M, which is due to inefficiencies, higher use of MSA brokered craft, and the extended use of resources and overtime to complete more complex work scope. The RL-12 variance (-$1.7M) is primarily due to the point adjustments related to implementation of PMB-3 (BCR-PRC-12-001R0) in November. RL-12 prepared for a December implementation, with the eventual implementation in November a larger point adjustment resulted. The positive variance in RL-13 (+$0.6M) is primarily due to a correction in workforce restructuring allocation and resources deferred to higher priority Layup activities; partially offset by additional effort required to complete layup activities. The RL-30 positive variance (+$0.5M) is within thresholds. The RL-40 negative variance (-$1.3M) is mostly due to late billings for U Plant Canyon contracts, overtime usage at 209E and a cost correction for ERDF costs at 200W Adm Building. The RL-41 (+$3.3M) positive variance results from lower contract costs associated with Waste Sites. The RL-42 variances are within reporting thresholds (+$1.3M).

Cumulative Schedule Variance: The favorable Cumulative Schedule Variance (+$0.7M) is within reporting thresholds. RL-11 (-$1.8M) negative variance is within reporting thresholds. The RL-12 (+$1.7M) positive variance is within reporting thresholds. The RL-13 negative variance (-$0.8M) is within threshold however, the result of Canister Storage Building (CSB), WESF, and ETF engineering activities delayed due to resource availability (assigned to higher priority activities) and by delays in Layup activities offset by early completion of MLLW returns. The RL-30 (-$0.8M) negative variance is within reporting thresholds. The RL-40 negative variance (-$0.8M) is due to the 209E Project progressing behind schedule. The 209E Project is scheduled for completion is December 2011. Waste Site will be moved to outyears during the Rev. 3 update. The RL-41 variance is within reporting thresholds. The RL-42 variances are within reporting thresholds.

Cumulative Cost Variance: The favorable cost variance (+$27.8M) is within reporting thresholds and occurs in three primary areas: (1) Favorable and unfavorable cost variances in direct projects (+$5.9M), (2) Favorable G&A/DD distribution variances (+$28.8M) resulting 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 a labor under run in project support staff related to ARRA ramp-up; and, (3) Unfavorable PSD Distribution (-$6.9M) due to the increased cost of establishing the ARRA Mobile office complex and distribution of the CHPRC Rewards and Recognition Program which did not have BCWS.

Impact:

Current Period Schedule: For PBS RL-11 remaining lifecycle work scope is forecast to complete as replanned in BCR-PRC-12-001R0. For RL-12, no significant impact. For PBS RL-13 the primary impact is implementation of the Rev 3 PMB which rephased MLLW treatment of TRU Retrieval dropouts (to out years), coupled with schedule recovery for TRU Retrieval Layup. For RL-30 there is no impact associated with the current month positive schedule variance. For PBS RL-40, the primary impacts occur in U-Plant D&D activities. For PBSs RL-40, current period schedule impacts are the same as the CTD schedule impacts (see below). For PBS 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.

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

Current Period Cost: For PBS RL-11 see CTD Cost impact. For RL-12, no significant impact. For PBS RL-13 cost impact is a correction in workforce restructuring allocation, resources deferred to higher priority Layup activities and some continued start-up anomalies which will require corrections from ARRA to base-funded work scope. For RL-30, no significant impact. For PBS RL-40, U-Ancillary project is using more resources than planned to recover schedule, at 212 N/P/R, more demolition debris than planned was disposed of at ERDF resulting in higher than anticipated disposal costs. Both are offset by efficiencies in other areas and no long-term impact is expected. Also, regulatory review delays have increased costs. For PBS RL-41 minimal impact is expected due to the overall positive variance. For PBS RL-42, there is no impact associated with the cost variance.

CTD Schedule: For PBS RL-11 work scope is projected to finish on schedule. TPA Milestone M-083-24, "Submit S&M Plan Pursuant to Agreement Section 8.5.4," due June 30, 2012, was completed September 30, 2011. The scheduled completion for other TPA Milestones—M-083-44, "Complete Transition of 234-5Z&ZA/243-Z/291-Z & 291-Z-1 Facilities," due 9/30/2015, and M-083-00A, "Complete PFP Facility Transition and Selected Disposition Activities," due 9/30/2016—is dependent on outyear funding of planned lifecycle activities in accordance with BCR-PRC-12-001R0. For RL-12, no significant impact. For PBS RL-13, the implementation of Rev 3 PMB rephased MLLW treatment of TRU Retrieval dropouts (to out years). For PBS RL-30, the variance better reflects work completed to date. For PBS RL-40 extensive regulatory reviews (realized risk) are delaying waste site remediation completion. RL-41 has no significant impacts. For PBS RL-42, the schedule variance is within threshold and has no significant impact.

CTD Cost: For RL-11 the overrun at completion results from unrecoverable prior years cost variances. For RL-12, no significant impact. There are no cost impacts for PBS RL-13. For RL-30, no significant impact. The RL-40 cost variance is within threshold and has no significant impact. RL-41 cost variance is within threshold and has no significant impact. For PBS RL-42, the cost variance is within threshold and has no significant impact.

Corrective Action:

Current Period Schedule: For PBS RL-11 BCR-PRC-12-001R0, FY 2012-*FY2018 Lifecycle Update, PRC Baseline Revision 3*, was implemented in November 2011. Remaining lifecycle work scope was replanned. For PBS RL-12, no corrective actions required. For PBS RL-13, no corrective action required. For PBS RL-30, no corrective actions are required. For PBSs RL-40, the current period schedule corrective actions are the same as CTD schedule corrective actions (see below). For PBS RL-41, the current period schedule corrective actions are the same as CTD schedule corrective actions (see below). For PBS RL-42, no corrective actions required.

Current Period Cost: For RL-11, no corrections are planned. For PBS RL-12, no corrective actions required. No cost corrective actions are required for PBS RL-13. For PBS RL-30, no corrective actions are required. For PBS RL-40 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 PBS 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 PBS RL-42, no corrective actions required.

CTD Schedule: PBS RL-11 no specific actions are planned at this time. The lifecycle performance measurement baseline will undergo an independent joint CHPRC and DOE-RL review in December 2011. For PBS RL-12, no corrective actions required. For PBS RL-13 no corrective action required. For PBS RL-30, no corrective action required. For PBS RL-40, insulators and other resources from other projects are being re-assigned to help recover schedule; additional management attention is focused on grouting contract for U-Canyon finalization and 209E project execution. For PBS RL-40 waste sites, the schedule variance will be accepted in order to achieve the footprint reduction goals and efforts continue to reduce the timeline for regulatory reviews. For PBS 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 PBS RL-42, no corrective actions required.

CTD Cost: For PBS RL-11 no specific actions are planned at this time. The lifecycle performance measurement baseline will undergo an independent joint CHPRC and DOE-RL review in December 2011. For PBS RL-12, no corrective actions required. For PBS RL-13 no corrective action required. For PBS RL-30, no corrective action required. For PBS RL-40, no corrective actions are required at this time. For PBS 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 PBS RL-42, no corrective actions are required at this time.

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

The cumulative to date cost and schedule variances are within reporting thresholds except for RL-40, RL-41 and RL-42 which have favorable cost variances of 7.7%, 6.2% and 10.8% respectively. Variance by PBS follows: RL-11 PFP D&D work, complexity of glove box removal and 234-5Z D&D preparations continue to impact the unfavorable cumulative to date schedule and cost variances and will continue to impact the cost variance as recovery actions are taken to regain or re-baseline schedule. RL-12 has no significant impacts. The RL-13 Solid Waste Stabilization and Disposition positive variance reflects a correction in workforce restructuring allocation, resources deferred to higher priority Layup activities and some continued start-up anomalies which will require corrections from ARRA to base-funded work scope partially offset by additional effort required to complete layup activities. The favorable monthly schedule variance reflects the implementation of the Rev 3 PMB which rephased MLLW treatment of TRU Retrieval dropouts (to out years), coupled with schedule recovery for TRU Retrieval Layup. For RL-30 there is no impact associated with the current month positive variance. The cumulative to date cost and schedule variances for RL-40 Nuclear Facilities D&D Remainder of Hanford current period variances reflects a mixture of performance taken in prior months for rail cars and capital equipment procurements made ahead of schedule and the cumulative schedule variance continues to worsen due to weather conditions. The cumulative to date cost and schedule variances for RL-41 Nuclear Facilities D&D RC Closure Project favorable current period schedule and cost variances are primarily due to the FY2012 Execution Plan BCR moving work that has been started from FY2011 to FY2012. The cumulative to date cost and schedule variances for RL-42 FFTF continues to have no schedule variances and a favorable cost variance due to lower than anticipated cost of maintaining in a cold and dry status.

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 $30.3 million and 0.5%. This variance is within threshold for the Project. Furthermore, the VACs at 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 5, DD FORM 2734/5, EXPLANATION AND PROBLEM ANALYSIS

Format 1 and 3 Contract Data:

Contract Price Adjustments

Base & ARRA		
CPs - In Process		
	Total Authorized Unpriced Work	349,882,620
Approved Adjustments to Contract Price (not reflected in B.4-1 Table)		
	Total Negotiated Cost Changes	122,898,037
	Grand Total Adjustments	472,780,657

Format 3 block 5g: This difference is to be reconciled following submittal of PMB Revision 3 in November 2011.

Use of Management Reserve: Overall the contract period performance measurement baseline (PMB) budget is decreased ($280.2) million in November 2011. In November 2011 management reserve (MR) is reduced in the amount of ($135.6) million in fiscal year (FY) 2011 through (FY) 2018.

Management Reserve Utilization

BCR Number	Title	Fiscal Year	MR (ARRA) & PBS	MR (Base) & PBS
BCR-PRC-12-001R0	*PRC Baseline, Rev. 3*	2012 – 2018	RL-011/ RL-013/ RL-040/ RL-041/ Note: ARRA is 2012 only ($15.2M)	RL-011/ RL-013/ RL-030/ RL-040/ RL-041/ RL-042/ ($120.4M)
Overall MR Change in November 2011 – ($135.6M)				

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:	**Date:**	**Approved by:**	**Date:**
Project Control Staff	10/23/2011		

(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

CH2MHILL
Plateau Remediation Company

November 2011
CHPRC-2011-11, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

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

CLASSIFICATION (When Filled In)

CONTRACT PERFORMANCE REPORT
FORMAT 1 - WORK BREAKDOWN STRUCTURE

DOLLARS IN Thousands of $

FORM APPROVED
OMB No. 0704-0188

1. CONTRACTOR	2. CONTRACT		3. PROGRAM	4. REPORT PERIOD
a. NAME CH2M HILL Plateau Remediation Company	a. NAME Plateau Remediation Contract		a. NAME Plateau Remediation Contract	a. FROM (YYYYMMDD) 2011 / 10 / 24
b. LOCATION (Address and ZIP Code) Richland, WA	b. NUMBER RL14788		b. PHASE	b. TO (YYYYMMDD) 2011 / 11 / 20
	c. TYPE CPAF	d. SHARE RATIO	c. EVMS ACCEPTANCE NO YES X 9/18/2009	

5. CONTRACT DATA

a. QUANTITY	b. NEGOTIATED COST	c. ESTIMATED COST OF AUTHORIZED UNPRICED WORK	d. TARGET PROFIT/ FEE	e. TARGET PRICE	f. ESTIMATED PRICE	g. CONTRACT CEILING	h. ESTIMATED CONTRACT CEILING	i. DATE OF OTB/OTS (YYYYMMDD)
	1,307,177	0	70,765	1,377,942	1,380,668	1,377,942	1,380,668	

6. ESTIMATED COST AT COMPLETION

	MANAGEMENT ESTIMATE AT COMPLETION (1)	CONTRACT BUDGET BASE (2)	VARIANCE (3)
a. BEST CASE	1,309,903		
b. WORST CASE	1,331,537		
c. MOST LIKELY	1,309,903	1,307,177	(2,726)

7. AUTHORIZED CONTRACTOR REPRESENTATIVE

a. NAME (Last, First, Middle Initial)	b. TITLE	c. SIGNATURE	d. DATE SIGNED (YYYYMMDD)
Bang, M.V.	Prime Contract Manager		2011/11/20

8. PERFORMANCE DATA

WBS[1]	CURRENT PERIOD					CUMULATIVE TO DATE					REPROGRAMMING ADJUSTMENTS			AT COMPLETION		
	BUDGETED COST		ACTUAL COST	VARIANCE		BUDGETED COST		ACTUAL COST	VARIANCE							
ITEM (1)	WORK SCHEDULED (2)	WORK PERFORMED (3)	WORK PERFORMED (4)	SCHEDULE (5)	COST (6)	WORK SCHEDULED (7)	WORK PERFORMED (8)	WORK PERFORMED (9)	SCHEDULE (10)	COST (11)	COST VARIANCE (12a)	SCHEDULE VARIANCE (12b)	BUDGET (13)	BUDGETED (14)	ESTIMATED (15)	VARIANCE (16)
RL-0011.R1 PFP D&D	9,582	10,503	9,637	921	866	271,475	270,257	277,190	(1,218)	(6,933)	0	0	0	293,575	299,251	(5,676)
RL-0013C.R1.1 MLLW Treatment	(1,087)	742	850	1,829	(109)	47,285	47,658	42,448	373	5,210	0	0	0	47,707	42,864	4,843
RL-0013C.R1.2 TRU Waste	697	828	923	131	(95)	256,009	255,508	254,710	(501)	798	0	0	0	256,689	254,951	1,738
RL-0030.R1.1 GW Capital Asset	0	0	(555)	0	555	175,008	175,008	174,411	0	597	0	0	0	175,008	174,411	597
RL-0030.R1.2 GW Operations	0	0	192	0	(192)	92,146	92,146	89,261	(0)	2,885	0	0	0	92,146	89,261	2,885
RL-0040.R1.1 U Plant/Other D&D	(150)	813	1,726	963	(913)	198,337	197,449	191,201	(888)	6,249	0	0	0	199,391	192,406	6,985
RL-0040.R1.2 Outer Zone D&D	(4,808)	(395)	90	4,413	(485)	84,279	84,279	71,658	0	12,621	0	0	0	87,273	75,078	12,195
RL-0041.R1.1 100 K Area Remediation	1,238	2,718	1,052	1,480	1,667	175,585	176,351	176,448	766	(97)	0	0	0	179,749	181,681	(1,932)
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
e. Sub Total	**5,472**	**15,210**	**13,916**	**9,738**	**1,294**	**1,300,124**	**1,298,656**	**1,277,326**	**(1,468)**	**21,330**	0	0	0	**1,331,537**	**1,309,903**	**21,633**
f. Management Resrv.														0		
g. Total	**5,472**	**15,210**	**13,916**	**9,738**	**1,294**	**1,300,124**	**1,298,656**	**1,277,326**	**(1,468)**	**21,330**	0	0	0	**1,331,537**		
9. Reconciliation to CBB																
a. Variance Adjustment									0	0						
b. Total Contract Variance									**(1,468)**	**21,330**				**1,331,537**	**1,309,903**	**21,633**

FORMAT 3, DD FORM 2734/3, BASELINE

CONTRACT PERFORMANCE REPORT			Form Approved
November FY2012 - ARRA	FORMAT 3 - BASELINE	DOLLARS IN THOUSANDS	OMB No. 0704-0188
1. CONTRACTOR CH2M HILL Plateau Remediation Company b. LOCATION: Richland, WA	2. CONTRACT a. NAME: Plateau Remediation Contract b. NUMBER: RL14788 c. TYPE: CPAF d. SHARE RATIO:	3. PROGRAM a. NAME: Plateau Remediation Contract b. PHASE c. EVMS ACCEPTANCE NO YES X 9/18/2009	4. REPORT PERIOD a. FROM: 2011/10/24 b. TO: 2011/11/20

5. CONTRACT DATA

a. ORIGINAL NEGOTIATED COST	b. NEGOTIATED CONTRACT CHANGE	c. CURRENT NEGOTIATED COST (A + B)	d. ESTIMATED COST AUTH UNPRICED WORK	e. CONTRACT BUDGET BASE (C + D)	f. TOTAL ALLOCATED BUDGET	g. DIFFERENCE (E - F)
0	$1,305,191	$1,307,177	$0	$1,307,177	$1,331,537	($24,360)

h. CONTRACT START DATE	i. DEFINITIZATION DATE	j. PLANNED COMPL DATE	k. CONT COMPLETION DATE	l. EST COMPLETION DATE
4/9/2009		9/30/2012		9/30/2012

6. PERFORMANCE DATA — BUDGETED COST FOR WORK SCHEDULED (NON - CUMULATIVE)

ITEM	BCWS CUM TO DATE	BCWS FOR REPORT PERIOD	SIX MONTH FORECAST						FY09	FY10	FY11	FY12	OUT YEARS	UNDISTRIB BUDGET	TOTAL BUDGET
			+1	+2	+3	+4	+5	6+							
			Dec-12	Jan-12	Feb-12	Mar-12	Apr-12	May-12							
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
a. PM BASELINE															
(BEGIN OF PERIOD)	**1,294,652**	**5,472**	**10,251**	**5,791**	**7,149**	**3,135**	**18**	**0**	**161,538**	**565,906**	**585,572**	**16,380**	**0**	**0**	**1,329,396**
b. BASELINE CHANGES AUTH DURING REPORT PERIOD BCR-PRC-12-001R0 - PRC Baseline, Rev. 3												2,141			**0** **2,141**
c. PM BASELINE (END OF PERIOD)	**1,300,124**		**11,015**	**6,802**	**6,654**	**2,446**	**231**	**617**	**161,538**	**565,906**	**585,572**	**18,521**	**0**	**0**	**1,331,537**
7. MANAGEMENT RESERVE															**0**
8. TOTAL															**1,331,537**

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)** **2011/10/24**
b. LOCATION (Address and ZIP Code) Richland, WA 99354	**b. NUMBER** RL		**b. PHASE** ARRA	**b. TO (YYYY/MM/DD)** **2011/11/20**
	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:	5,472	15,210	13,916	9,738	178.0%	1,294	8.5%	2.78	1.09
Cumulative:	1,300,124	1,298,656	1,277,326	(1,468)	-0.1%	21,330	1.6%	1.00	1.02
	BAC	**EAC**	**VAC in $**	**VAC in %**	**CPI to BAC**	**CPI to EAC**			
At Complete:	1,331,537	1,309,903	21,634	1.6%	0.6	1.0			

Explanation of Variance/Description of Problem:

Current Period Schedule Variance: The Current Month favorable Schedule Variance (+$9.7M) reflects the following:

The Current Month Schedule Variance (+$0.9M) is primarily a result of adjusted BCWS/BCWP following implementation of BCR-PRC-12-001R0, *FY2012-FY2018 Lifecycle Update, PRC Baseline Revision 3.* Without the adjustment, there is an unfavorable variance of (-$0.4M) due to RMA/RMC schedule delays resulting from resources being reassigned to higher priority project work scope (i.e., bulk area cleanout and canyon crane repair). The RL-0013 MLLW Treatment (+$1.8M) & RL-0013 TRU Waste (+$0.1M) The positive schedule variance is primarily due to the implementation of the Rev 3 PMB which rephased MLLW treatment of TRU Retrieval dropouts (to out years), coupled with schedule recovery for TRU Retrieval Layup. The RL-0030 Current Month Schedule Variance is within thresholds. The RL-0040 positive variance (+$5.4M) ARRA RL-0040.R1.1 U Plant/Other D&D (+$1.0M) the positive variance is within reporting thresholds. ARRA RL-0040.R1.2 Outer Zone D&D (+$4.4M) the positive variance is due to implementation of the Rev. 3 BCR-PRC-12-001R0. Numerous Waste Sites have been deferred to outyears. The RL-0041 positive variance (+$1.5M) is within reporting thresholds.

Current Period Cost Variance: The Current Month favorable Cost Variance (+$1.3M) reflects the following:

The Current Month Cost Variance (+$0.9M) results from the PMB Offset processed this period, which increased BCWS and BCWP on adjusted FY2011 activities. This is offset by the transfer of prior period costs associated with extended ARRA work scope from base-funded work packages. Inefficiencies, higher use of MSA brokered craft, and the extended use of resources and overtime to complete more complex work scope are also contributing to this variance. The RL-0013 MLLW Treatment (-$0.1M) & RL-0013 TRU Waste (-$0.1M) the negative cost variance is primarily due to additional effort required to complete layup activities coupled with start-up anomalies which will require corrections from ARRA to base-funded work scope. The RL-0030 Current Month Cost Variance is within threshold. The RL-0040 negative variance (-$1.4M) reflects the following subproject performance, ARRA RL-0040.R1.1 U Plant/Other D&D (-$0.9M) the negative variance is due to late sub-contracts costs for U Canyon, and increased costs for 209-E. ARRA RL-0040.R1.2 Outer Zone D&D (-$0.5M) the negative variance is within reporting thresholds. The RL-0041 negative variance (+$1.7M) is within reporting thresholds.

Cumulative Schedule Variance: An unfavorable cumulative schedule variance (-$1.5M) is due to the following:

The RL-0011 negative variance (-$1.2M) is within reporting thresholds. The RL-0013 negative variance (-$0.1M) is within reporting thresholds, however early completion of MLLW returns is offset by delays in Layup activities. The RL-0030 schedule variance is ($0.0M) as all ARRA work scope has been completed. The RL-0040 negative variance (-$0.9M) primary contributors that exceed the reporting thresholds are: RL-0040.R1.1 U Plant/Other D&D (-$0.9M) the negative variance is due to delays with the 209-E Project. RL-0040.R1.2 Outer Zone D&D (+0.0M) is within reporting threshold. The RL-0041 negative variance (+$0.8M) is within reporting thresholds.

Cumulative Cost Variance: The CTD favorable cost variance (+$21.3M) reflects the following:

RL-0011 negative variance (-$6.9M) is within reporting thresholds. The RL-0013 positive variance (+$6.0M) reflects: RL-0013 MLLW Treatment (+$5.2M) the positive variance is due to Mixed Low Level Waste efficiencies created by treating waste at Energy Solutions (ES) - Clive rather than planned treatment at PermaFix Northwest (PFNW) due to a waiver received from the Department of Energy (DOE), ERDF negotiated rate reduction with vendor for waste containers, decreased operations costs at Low Level Burial Grounds (LLBG), efficiencies in Large Type A waste container shipments to PFNW and in Mixed Waste Disposal Trenches (MWDT) upgrades, partially offset by higher costs for ETF Containment Berm repairs. RL-0013 TRU Waste (+$0.8M) the positive cost variance is due to efficiencies in TRU Characterization and Shipping, TRU Repackaging, T-Plant and WRAP, partially offset by increased materials and labor costs in support of the Trench Face Retrieval and Characterization System (TFRCS), coupled with 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 (+$18.9M) reflects the following: ARRA RL-0040.R1.1 U Plant/Other D&D (-$6.2M) The variance is largely due to favorable performance of the Cold and Dark teams and the Sampling and Characterization/Waste Identification Form teams (D4) (+$4.2M), overhead allocations (+$11.5 M), less for Program Management than planned (+$2.4M), less resources than planned for C-3 Sampling (+$0.7M), lower than planned costs for capital equipment (D4) (+$3.0M), less asbestos abatement required for 200W buildings (+$3.5M), 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) (-$8.1M), coupled with increased insulator staff and overtime to recover schedule, 200E Administration (-$1.7M) and 209E Project delays (-$4.7M), additional resources being applied at U Canyon (D4) to regain schedule (+$1.1M), and Usage Based Services (-$3.1M), 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 (+$7.0M), and Outer Area waste sites (+$6.7M). 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 (-$1.1M) due to the walls of the basins being much thicker than estimated. The RL-0041 negative variance (-$0.1M) is within reporting threshold.

Impact:

Current Period Schedule: For RL-11R.1 current period delays are recoverable since staff to support teams will have completed transition and be fully qualified in December 2011. For RL-0013C.R1.1 the primary impact is the implementation of the Rev 3 PMB which rephased MLLW treatment of TRU Retrieval dropouts (to out years), coupled with schedule recovery for TRU Retrieval Layup. For RL-0030, there are no impacts, work complete. For RL-40.R1.1, and RL-40.R1.2, the current period schedule impacts are the same as the CTD schedule impacts (see below). For RL-40.R1.1 and RL-41.R1.1 the current period schedule corrective actions are the same as CTD schedule corrective actions (see below). For RL-40.R1.2 O-Zone waste sites, there is no corrective action required. For RL-41.R1.1 the current period schedule impacts are the same as the CTD schedule impacts (see below).

Current Period Cost: For RL-11.R1, see CTD Cost impact. For RL-0013 the primary impact is the additional effort required to complete layup activities coupled with start-up anomalies which require corrections from ARRA to base-funded work scope. 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-40.R1.1 U-Plant current cost variances can be covered by efficiencies in other D&D areas. For RL-40.R1.2 O-Zone Waste Site there is no required corrective action for the current period cost variance. For RL-41.R1.1 no impacts at this time.

CTD Schedule: For RL-11.R.1 work scope is projected to finish on schedule. For RL-0013 CTD there is no impact. For RL-0030, there are no impacts, work complete. For RL-40.R1.1 D&D of 209E Project is impacted more by contamination than expected (realized risk) and extensive regulatory reviews (realized risk) are delaying waste site remediation completion. For RL-40.R1.2 remediation of O-Zone sites, completion of the intentionally delayed waste sites will not be achieved due to placing priority on footprint reduction. For RL-40.R1.2 O-Zone waste sites the schedule variance will be accepted in order to achieve the footprint reduction goals. For RL-40.R.1.1 D&D structure demolition activities are being accelerated where they can to offset where other demolition activities are delayed. For RL-41.R1.1 no impacts at this time.

CTD Cost: For RL-11.R1 the overrun at completion results from unrecoverable prior year cost variances. For RL-13C.R1.1 & RL-13C.R1.1 there is overall positive cost impact due to project efficiencies. For RL-0030, there are no impacts, work complete. For RL-40.R1.1, and RL-40.R.1.2 there is overall positive cost impact due to project efficiencies. For RL-40.R1.1, and RL-40.R1.2 no corrective actions are required at this time. For RL-41.R1.1, costs will be monitored.

Corrective Action:

Current Period Schedule: For RL-11.R.1 BCR-PRC-12-001R0, FY 2012-*FY2018 Lifecycle Update, PRC Baseline Revision 3*, was implemented in November 2011. Remaining lifecycle work scope was replanned. For RL-0013, no corrective actions required. For RL-0030, no corrective actions required, work is complete. For RL-41.R1.1 the current period schedule corrective actions are the same as CTD schedule corrective actions (see below).

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-41.R1.1 current period cost corrective actions are the same as the CTD cost corrective actions (see below).

CTD Schedule: For RL-11.R1 no specific actions are planned at this time. The lifecycle performance measurement baseline will undergo an independent joint CHPRC and DOE-RL review in December 2011. For RL-0013, no corrective action required. For RL-0030, no corrective actions required, work is complete. 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.

CTD Cost: For RL-11.R1 no specific actions are planned at this time. The lifecycle performance measurement baseline will undergo an independent joint CHPRC and DOE-RL review in December 2011. For RL-0013C.R1.1 the favorable cost variance is expected to continue. For RL-0013C.R1.2, no corrective actions required. For RL-0030, no corrective actions required, work is complete. For RL-41.R1.1 no corrective actions are required at this time.

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

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 a positive cost variances above threshold. Overall, the current period schedule and cost variances are mixed between favorable and unfavorable performance. RL-11.R.1 PFP D&D, The cumulative to date schedule variance decreased with use of overtime and deferral of work-scope to FY2012, however the favorable cost variance trend continues to erode. RL-13C.R1.1 MLLW Treatment has a current period positive schedule variance above threshold which was the result of to the implementation of the Rev 3 PMB which rephased MLLW treatment of TRU Retrieval dropouts (to out years), coupled with schedule recovery for TRU Retrieval Layup. RL-13C.R1.2 TRU Waste current schedule and cost variances are within threshold. Overall, the ARRA workscope in RL-30 was completed in FY2011. There will be a few remaining costs transactions as contracts are closed and final billing completed RL-40 R1.1 U Plant/Other D&D unfavorable cumulative to date

schedule variance was reduced slightly this month with the favorable cost variance slightly eroding due to current month cost and schedule variances resulting from reduced work schedule due to heat stress and increase effort required for the mock up for the 209E Stimulus-Semi Works Zone project. RL-40.R1.2 Outer Zone D&D unfavorable current month schedule variance results from delaying RTD Waste Sites and pipelines and performance taken in prior months for disposition of rail cars and the favorable cumulative cost variance continue to increase mainly from pass-backs from ERDF. The RL-41.R1.1 100K Area Remediation unfavorable cumulative schedule variance was significantly reduced by moving work to FY2012 but the large favorable current period cost variance is skewed by $4.7M due to pending cost transfers from Base.

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 positive $21.6 million and 1.6%. This variance is within threshold for the Project. For information, the VAC threshold limit is +or- 5% and +or- $15 million.

Format 1 and 3 Contract Data:

Contract Price Adjustments

ARRA ONLY		
CPs - In Process		
	Total Authorized Unpriced Work	-
Approved Adjustments to Contract Price (not reflected in B.4-1 Table)		
	Total Negotiated Cost Changes	1,986,330
	Grand Total Adjustments	1,986,330

Format 3 block 5g: This difference is to be reconciled following submittal of PMB Revision 3 in November 2011.

Use of Management Reserve: ARRA MR was reduced by (-$15.2) for November 2011, effectively zeroing-out the MR account.

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:	**Date:**	**Approved by:**	**Date:**
Project Control Staff	11/20/2011		

(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

CH2MHILL
Plateau Remediation Company

November 2011
CHPRC-2011-11, 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		1/12/12	Target date to be missed; received RL contract direction to work toward indicated forecast date.
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		3/15/12	Target date to be missed; received RL contract direction to work toward indicated forecast date.
M-091-40L-032	PMM Submittal Jul-Sep 4th Qrtr FY11 Burial Ground Sample Results	TPA	12/15/11		11/30/11	On Schedule
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		5/14/12	Target date to be missed; received RL contract direction to work toward indicated forecast date.

Milestone	Title	Type	Due Date	Actual Date	Forecast Date	Status/ Comment
M-015-72-T01	Submit RI/FS Report and PP for 300-FF-2/5 OUs for GW and Soil	TPA	12/31/11		12/29/11	On Schedule
M-015-90	Submit RCRA Facility Investigation/Corrective Measures Study (RFI/CMS) and Remedial Investigation/Feasibility Study (RI/FS) work plan for 200-IS-1 OU to Ecology	TPA	12/31/11	11/14/11		Complete
M-015-91A	Submit RI/FS Work Plan for the 200-WA-1 OU to EPA	TPA	12/31/11			On Schedule
M-015-93A	Submit Rev'd RFI/CMS & RI/FS Work Plan for SW-2 to Ecology	TPA	12/31/11	11/11/11		Complete
M-016-111C	Expand P&T System at 100-HR-3 OU to 800 gpm Capacity	TPA	12/31/11	9/29/11		Complete
M-016-120	GW Treatment System <50 gpm for Tc-99 Plume at S/SX Tank Farm	TPA	8/31/12			On Schedule. Change notice provided 8-month delay to allow time for 200W treatment system to be run before S/SX tie-in.
M-016-122	Begin Phase 1 Operation of 200W Pump-and-Treat System	TPA	12/31/11		12/20/11	On Schedule – Transition Plan signed by EPA defines completion as adding water to bio-reactors.

Milestone	Title	Type	Due Date	Actual Date	Forecast Date	Status/ Comment
M-091-44Z-002	Min. Annual PMM or Qtrly Notification of Cert. of CH/RH TRUM	TPA	12/31/11			On Schedule
C-010-21	Hanford Site Waste Mgmt Units Report Generated Annually	TPA	1/31/12			On Schedule
M-091-40L-033	Submit Oct-Dec 1st Quarter Burial Ground Sample Results	TPA	3/15/12		2/28/12	On Schedule
M-016-171	Complete K Basin Sludge Treatment & Packaging Technology Evaluation Report	TPA	3/31/12			On Schedule
C-026-07G	Tritium Treatment Technology Developments to Ecology & EPA	TPA	3/31/12			On Schedule
M-037-03	Submit Revised Closure Plans for 216-B-3 and 216-S-10	TPA	4/30/12			On Schedule but not funded by CHPRC. Ecology has proposed completing the workscope. Agreement between RL and Ecology is in development, but has not yet been signed by the parties. Ecology has proposed pushing the milestone due date out to 12/31/2012.

Milestone	Title	Type	Due Date	Actual Date	Forecast Date	Status/ Comment
M-024-58E	Initiate Discussions of Well Commitments	TPA	6/1/12			On Schedule
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 – The plan has been transmitted to RL 9/29/11. The milestone will be complete once it is transmitted to the regulator.
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
M-091-40L-035	PMM Submittal Apr-Jun 3rd Qrtr FY12 Burial Ground Sample Results	TPA	9/15/12			On Schedule

Milestone	Title	Type	Due Date	Actual Date	Forecast Date	Status/ Comment
M-015-62-T01	Submit FS/PP for 100-NR-1/2 OUs Including GW and Soil	TPA	9/17/12			On Schedule
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 FY 2012	TPA	9/30/12			Activity currently not funded
M-091-46B-T01	Certify 300 Cubic Meters of Small Container CH TRUM Waste	TPA	9/30/12			Activity currently not funded

Metrics

ARRA Metrics

Sub-Project	KPP	Key Metric	Unit of Measure	Cumulative through November 28, 2011
Plutonium Finishing Plant D&D	**Building 234-5Z Process and Laboratory areas ready for demolition**	Glove boxes removed from 234-5Z	# Glove boxes	**132**
		Low-level waste removed from PFP	m3	**3,044**
		TRU waste removed from PFP	m3	**749**
	20 Ancillary buildings ready for demolition	Ancillary facilities/structures and fuel vaults ready for demolition	# facilities	**30**
U-Plant/Other D&D	**Complete deactivation, decontamination, decommissioning, and demolishing (D4) of 16 facilities**	Nuclear facilities completed	# facilities	**1**
		Industrial facilities completed	# facilities	**18**
		Facility placed in cold and dark/demolition ready	Sq. feet	**227,997**
		Facility dispositioned	Sq. feet	**224,228**
	ARRA RL-0040.R1.1 U Plant/Other D&D	D&D Debris	m3	**38,060**

ARRA Completions: 2718E added from completion in September.

Base Metrics

Measure/Units	PBS	Oct	Nov	Dec	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	FYTD	Contract-To-Date
Nuclear Facility Completions (# of facilities)	40/41	0	0	0	0	0	0	0	0	0
Radiological Facility Completions (# of facilities)	40/41	0	0	0	0	0	0	0	0	6
Industrial Facility Completions (# of facilities)	11/40/41	0	0	0	0	0	0	0	0	41
Remediation Complete (# of release sites)	40/41	0	0	0	0	0	0	0	0	7
PRF Canyon Pencil Tanks Removed	11	0	5	0	5	0	0	0	5	20
MultiCanister Overpacks Shipped	12	0	0	0	0	0	0	0	0	0
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	13	0	0	0	0	0	0	0	0	0
Low level and Mixed Low-Level Waste Disposal	13	0	0	0	0	0	0	0	0	2,885
WESF K3 Filter Measurements	13	1	1	0	2	0	0	0	2	14
SW Ops Complex Container Inspections	13	4	4	0	8	0	0	0	8	60
Contaminated Groundwater Treated (million gallons)	30	98	100	0	198	0	0	0	198	2,173
Preventive Maintenance Packages Completed	40	47	26	0	73	0	0	0	73	548

Appendix C
Project Services and Support
(WBS 000)

CH2MHILL
Plateau Remediation Company

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

K. A. Dorr
Vice President for
Engineering, Projects
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Director of
Communications

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

November 2011
CHPRC-2011-11, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

PROGRAM SUMMARY

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.

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 PCard 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.

Objective #	Objective	Target	Due Date	Status
12-EMS-EPC-OB1-T2	Reduce depletion of environmental resources through post-consumer material recycling.	America's Choice Motor Oil, a 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	3	N/A
Near-Misses	0	0	N/A

KEY ACCOMPLISHMENTS

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

- The monthly President's Zero Accident Council (PZAC) meeting was held on November 16, with sponsorship provided by the CHPRC's Safety, Health, Security and Quality Organization. The two main areas covered in the meeting were Winter Safety and Holiday Fire Safety. Additional significant SHS&Q related program activities for the month included the following:
  - Occupational Safety and Industrial Hygiene (OS&IH) accomplishments:
    - Conducted a review of the accident investigation (AI) report, Fall Injury Accident at the Savannah River Site.
    - Continued with progress on the corrective action plan associated with the CHPRC (and multi-contractor) Beryllium Characterization Project.
    - Working with the CHPRC Quality Assurance group in identifying technical specifications and guidance for the procurement of chemical protective clothing.
    - Working on enhancements to the safety surveillance database for the use of safety and health professionals performing field activities.
    - Completed the transition of the Workers Compensation program to the SHS&Q organization.

- Prepared two Management Directives in support of DOE-0346, *Hanford Site Fall Protection Program*, and DOE-0360, *Hanford Site Confined Space Procedure*.
- Developed and issued an Office Ergonomic Self-Assessment form.
- Assisted the CSC with an ergonomic assessment of the Snoopy neutron detector.
- Appointed a new CHPRC Respiratory Protection Program Administrator.
- Initiating the development of the company Personal Protection Equipment Committee.

o Emergency Preparedness accomplishments:

- Thirteen drills were performed in November; four Operational Drills, four Emergency Preparedness Drills and five actual operational upset events that were credited as drills.
- Continued work to prepare the TALON robot and MOVER vehicle for deployment.
- Submitted Surveillance and Maintenance and Liquid Waste Fuel Storage (LWFS) Hazards Survey to RL for approval.
- Received RL approval for extension on 105KW and 209E Emergency Planning Hazard Assessment.

o Radiological Control accomplishments:

- Developing disposable personal protective equipment (PPE) evaluation criteria to ensure PPE purchased and used is applicable for the conditions and hazards.
- Developing the next phase of the electronic radiological survey report process that will eliminate the need to print and maintain hard copies. Pilot program set to launch in January with CHPRC wide application in March 2012.

o Operations Program accomplishments:

- Worked on comment resolutions to support issuing updates for procedures PRC-PRO-WKM-14047, *Pre-Job Briefings and Post-Job Reviews* PRC-PRO-WKM-079, PRC-PRO-WKM-12115, *Work Management*, and PRC-GD-WKM-12116, *Work Planning Guide*.
- Supported the Automated Job Hazard Analysis (AJHA) Class for AJHA Administrators Class# 172709 and AJHA Subject Matter Expert class 172707.
- Supported Energy Facility Contractors Group (EFCOG) Work Control working group developing DOE guide for work control at the Joint Integrated Safety Management & Quality Assurance and Contractor Assurance fall meeting.
- Participated in Plutonium Finishing Plant (PFP) management assessment.
- Conducted kick-off meeting for the Field Work Supervisor Improvement Team.
- Continued development of draft *Nuclear Maintenance Management Program Description Documentation* (NMMP-DD). Document will be formatted into a Management Plan and submitted to DOE for approval.
- Provided support for Maintenance needs for the new Emergency Preparedness response equipment, "Movers/Talon Robot."
- Supported CAP and briefing materials in response to Defense Nuclear Facilities Safety Board (DNFSB) visit in July 2011.

o Deliverables prepared and transmitted to RL in November from Nuclear Safety include:

- Transportation Documents:
  - Email, *CE-SPA-PFP-2011-010, Revision 1, Multiple Glovebox Assemblies.*
  - Email, *CE-SPA-PFP-2011, Revision 0, Shipment of Sealed Sources.*
- Documented Safety Analysis:
  - Letter, CHPRC-1104666A R1, dated November 18, 2011, *Transmittal of the Cold*

Vacuum Drying Facility Final Safety Analysis and Technical Safety Requirements Update of Fire Hazard Evaluation Associated with Vehicular Traffic and Parking.

- Letter, CHPRC-1104667 R1, dated November 28, 2011, *T CHPRC Transmittal of Plutonium Finishing Plant Justification for Continued Operation - 291-Z Exhaust Fan Failure.*
- Letter, CHPRC-1105412, dated November 28, 2011, *R Request for Approval of the Waste Encapsulation and Storage Facility Authorization Agreement Annual Update.*

– Documents Received from RL:

- Email, *CE-SPA-PFP-2011-010, Revision 1, Multiple Glovebox Assemblies.*
- *Email, CE-SPA-PFP-2011, Revision 0, Shipment of Sealed Sources.*

o Performance Assurance accomplishments:

– All the Integrated Corrective Action Plan (ICAP) actions have been completed by CHPRC and verified complete by RL.

– Overall management of the activities readying Building 209-E for demolition did not meet CHPRC expectations. A cause analysis is being performed to identify corrective actions and lessons learned that may be applied to similar work across CHPRC projects. The report of the evaluation is planned for completion in December 2011.

– Completed a performance-based assessment at PFP in anticipation of the upcoming DNFSB's visit in December.

– Completed a review of self-assessment performance identify program strengths and weaknesses. In FY 2011 over 800 assessments and 2800 management field observations were conducted resulting in over 1600 issues. CHPRC management is evaluating different approaches used by other contractors across the DOE complex in order to improve the self-critical nature of CHPRC oversight activities.

– Issued annual Integrated Safety Management System (ISMS) declaration letter including safety culture survey results to RL (PRC Contract Deliverable).

– Issued quarterly start-up notification to RL.

- 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.

o **Issue:** Implementation of Integrated Corrective Action Plan.

Status: 84 of 84 actions completed; RL closure is complete.

Action: Continuous improvement program and initiatives underway.

o **Issue:** Transfer of Radiological Site Services from Pacific Northwest National Laboratory to MSA. Concern regarding impact of these services on CHPRC.

Status: RL has targeted January 2012 for transfer of Instrumentation Services and October 2012 for transfer of Dosimetry Services.

Action: CHPRC will revise statements of work and internal procedures to support this transfer.

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 to include in J.2 attachment of PRC contract.

Action: Plan under development.

- **Issue:** Centralization of Project SHS&Q resources.

  Status: Complete.

  Action: Monitoring interface with new SHS&Q organization within Projects.

Environmental Program and Strategic Planning (EP&SP)

Environmental Management System

- All FY2012 Targets are on schedule.
- An internal assessment of the EMS was completed in preparation of recertification and the final report will be issued in December.
- FY2011 information was entered into the annual Pollution Prevention Tracking and Reporting System as required.

Environmental Protection

- **RCRA Site-Wide Permit:** Continued to work with RL to resolve comments on the site-wide permit. Extensive negotiations on draft permit conditions occurred during the month of November and will continue until the end of December. The permit's release is still expected May 2012.
- **State Waste Discharge Permit ST-4502**: Prepared comments on this permit for the 200 Area Treated Effluent Disposal Facility requesting that an iron limit be deleted or made a monitoring-only parameter. Comments are due to Ecology by December 31, 2011.
- **WRAP Stack:** A courtesy notification was made to WDOH regarding the failure of a read-out screen for the data logger that is associated with monitoring the WRAP stack. The facility has implemented compensatory measures to address this issue until the failed equipment can be repaired or replaced.
- **NEPA/Cultural Resources:** Comments were received on the Nonradioactive Dangerous Waste Landfill/Solid Waste Landfill (NRDWL/SWL) Environmental Assessment (EA) from the Tribes, Heart of America and the State of Oregon. Assistance will be provided to RL to revise specific portions of the EA for its final issuance.

Environmental Quality Assurance

- EMS Independent Assessment draft report has been completed. The report is being reviewed internally and will be completed by the end of December.
- Development of HASQARD Training is complete.

Business Services

Facilities

- The demobilization of the ten ARRA Mobile Office Facilities at the 200W CSC Medical Station was completed.

Procurement

- For the month of November 2011, the Procurement group awarded 49 new contracts with a total value of $9.48M, amended 352 existing contracts with a total value of -$387KM, for a grand total of $11.6M. Awarded 464 new purchase orders valued at $1.18M to support ongoing project objectives.
- As measured at the end of the first 38 months, procurement volume has been significant; $1.879B in contract activity has been recorded with approximately 50% or $937M in awards to small businesses. ARRA funded activity totals 39% or $731M of the grand total. This includes 5,452 contract releases, 11,535 purchase orders, and over 186,400 P-Card transactions.

- The Procurement Organization made changes to the Contract Labor Time Reporting (CLTR) User Guidance and CLR Business Guide as a result of a recent CLTR Audit performed by Internal Audit. The scope of this audit was to determine if the right controls were in place to ensure accurate time charging. The actions taken included updating the CLTR guidance document and CLR Business Guide to address recording time in advance and also address changes made to the CLTR time cards more than 90 days old which adds hours or premium time. Procurement Management will be monitoring any changes made >90 days in arrears through monthly reports and will review for adequate justification and appropriate approvals.
- In support of comments raised regarding Asset Suite (Passport) training during the Business Services meeting, we have initiated specific training notices to all CHPRC Asset Suite users. Thus far, two training notices have been sent to all CHPRC Asset Suite users, including specific Asset Suite training demonstrations. Additional training notices will be sent on a regular basis to Asset Suite users with training demonstrations and instructions for using Asset Suite. A number of recipients responded favorably to the notices.

Material Services

- Several enhancements were made to the P-Card system:
  - Moved the Tax Paid yes/no radio buttons to just above the Reconcile buttons.
  - System will produce an error message when an order does not have a line item for tax, but Tax Paid was checked yes.
  - System will produce an error message when an order has a separate line item for tax, but Tax Paid was checked no.
  - System will produce an error message when someone tries to reconcile against an order that has already been fully reconciled.
  - System allows multiple line items on an order or a transaction to be deleted at one time rather than deleting each line item one at a time. Changes went into production on November 29, 2011.
- Assisted Washington Closure Hanford (WCH) who had an emergency need in acquiring some silicone face-piece respiratory assemblies from PFP Spare Parts. The PFP DA's and field personnel determined that there were enough in Spares to meet our needs and were therefore able to "sell" some to WCH. The permission was routed to warehouse personnel who then released the requested quantity. This is essentially a "zero dollar" transaction since the funds obtained from WCH are used to replenish the stock on the shelf. Similarly, assisted PFP in obtaining NucFil filters from 100K Spare Parts Inventory, allowing PFP personnel to continue operations.
- Published the Safety Shoe, Prescription Eyewear and Winter Clothing Purchasing Policy, along with an updated listed of Eligibility catalog IDs on November 7, 2011; the moratorium was lifted that day.
- Reviewed second, third, and fourth quarter P-Card noncompliance reports. Sent email messages to cardholders and approving managers for those who erred in the same category across multiple quarters.
- Again assisted in providing queries on a specific subset of transactions from both PassPort and P-Card tables to support an ongoing audit (MAAR 13 Materials Verification) by DCAA auditors.
- All P-Card records have been reviewed through September Transaction reports; just a few remain to be uploaded into IDMS.
- Enhanced the recycled information portion of a monthly environmental report and created a chemical inventory report, both are provided to internal customers.

Training & Procedures

- Development of the new PRC Procedures System (PPS) continues. The implementation schedule has been completed; training of targeted audiences will commence in late January 2012. Full implementation will be at the end of March 2012.
- Implementation of the Hanford-site Enterprise Learning Management training system continues to be challenging. MSA-LMIT and site contractors meet routinely to identify problems and seek solutions.
- Remapping of individual training plans to accommodate workforce restructuring is approximately 95% complete.

Human Resources

- Personal Time Bank (PTB) - Cash-Out to date we have received 81 PTB Cash-Out requests from non-bargaining employees for calendar year 2012. These requests are irrevocable and employees may cash out up to 120 hours and must have minimum balance of 120 hours remaining after the cash out.
- 2012 Salary Planning - In November the following compensation actions were processed:
  - 12 exempt promotions
  - One non-exempt promotion
  - 545 exempt adjustments (49 above 1.5%)
  - 39 non-exempt adjustments (9 above 1.5%)

Prime Contract and Project Integration (PC&PI)

- Efforts continued on the implementation of the Timberline estimating software and documentation. Activities focused on the initial use of the Timberline system to finalize waste site remediation cost estimates for prospective change, CO #112, *100-K Waste Sites, CNSA to RTD,* and in support of the FY 2013 – FY 2018 PMB update, completion of the estimating assembles for D4, and the overall system documentation and training required to support the anticipated DOE sponsored review of the system. Declaring readiness for the anticipated DOE review is the last major open action for the corrective actions associated with the Contract Change Management Processes and Deliverables Management Assessment conducted in April 2011
- Work continued on preparation of a Change Proposal in response to Change Order #111, *100-K Waste Sites, Operational Areas AA, AG, AH and AM,* and prospective Change Order #112, *100-K Waste Sites, CSNA to RTD,* for listed waste sites.
- Work continued on the preparation of a Change Proposal in response to Change Order #173, *Pre-conceptual planning for K-Basins Sludge Treatment Phase 2*.
- Prime Contract received and processed five (5) contract modifications (numbers 195, 196, 193, 170, and 197) from RL. The Correspondence Review Team reviewed and determined the distribution for 32 incoming letters and the Contract Compliance Manager reviewed 42 outgoing correspondence packages.
- Estimating continued to support the Sludge Treatment Project (STP) and 100 / 200 Area Waste Site Remediation estimate development and Plutonium Finishing Plant D&D Project's Basis of Estimate development for the FY 2013 – 2018 PMB submittal.
- Estimating completed six hours of classroom training on the CHPRC Estimating Guide, PRC-GD-PC-40434, in accordance with the Management Assessment activities to improve the quality and technical compliance attributes of cost estimates and Change Proposals. This training, along with the review of escalation, taxes and Truth In Negotiation Act (TINA) topics completed training for 90

percent of the estimating staff. Follow up sessions during the month of December will complete training for the remaining staff.

- Submittal of the FY2013 – FY2018 Performance Measurement Baseline (PMB) was delivered to RL on November 30, 2011.

Engineering, Projects and Construction (EPC)

- Central Engineering (CE) chaired the Sludge Treatment Project (STP) Engineered Container Retrieval and Transport System (ECRTS) Preliminary Design Review. CE staff members also participated as members of the design review team. The Preliminary Design Review Report (PRC-STP-00535) was approved on December 1.
- CE approved the Final Design Review Report for KOP (STP-00519) on November 11. In addition to providing the Design Review chairman, CE provided topical technical reviewers for Electrical/I&C, Mechanical, HVAC, and Civil.
- CE is chairing and supporting Conceptual Design Review of the 105KE Interim Safe Storage/Safe Storage Enclosure. The design will place a shell around the existing KE structure.
- CE has prepared a technical path forward to resolve code compliance issues involving subcontractor "special process" qualifications for the 200 West Pump & Treat project. Qualification (including coupon preparation and testing) of a unique hot gas bonding technique will be performed to support work already completed and will be made available as needed during plant operations.
- CE is continuing to support the 200W Pump and Treat Project on over pressure protection, pressure piping code interpretations, and valve support. Code Interpretation/ Clarification Requests ICR-2012-001 and ICR-2012-002 were received November 30 and December 1, respectively. A field walkdown with Project staff was conducted on December 1 as part of the evaluation process.
- CE completed the calculation to support the design of a Spreader Bar that will be fabricated to lift and splash the KOP Process equipment in the 105KW Basin. The action was a critical path schedule item for the STP Knock-out Pot Project.
- CE published the FY2011 SE Program Manager Report (Internal Memo CHPRC-1105585); the report summarizes the state of the SE program.
- CE delivered a presentation/training on PRC-PRO-EN-40330, *System Health Reports*. The presentation was an All-Hands meeting with SE personnel held on Wednesday, November 16, to discuss the revision to -40330, to discuss SE program expectations, and to solicit input for other program improvements.
- CE completed a Work Site Assessment (WSA) on Electrical Safety Program compliance, EPC-2012-WSA-10798, examining and interviewing project Electrical DA's on compliance with NEC inspections and the NEC AHJ approval process for electrical equipment, primarily via the OSHA recognized NRTL program.
- CE reviewed and approved DD-49286, 105-KE Reactor Interim Safe Storage (ISS) Project Functional Design Criteria.
- CE led an extent of condition review of temporary power supplies across the CHPRC. A unit was identified by a W&FM engineer to have undersized wiring for the intended service. A review of ~ 25 other units did not identify any other non-compliant units.
- CE is supporting the Solid Waste Project in the evaluation of the Canister Storage Building (CSB) MHM Rail Clamp Evaluation.
- CE reviewed and provided comments for the KW Basin Modification Annex Design Specification.

- CE provided input for the ECRTS Seismic Shutdown Switch.
- CE is reviewing the requirements for the Trailer Stability Analysis for the KW Basin Modification Annex.
- CE is supporting the STP in the development of a Critical Lift Plan for the installation of the KPS Size Separation Table into the KW Basin.
- CE is supporting the STP in the development of accidental Drop Analysis during the placement of the Size Separation Table in the KW Basin.
- CE is supporting EPC in the anchorage of the Punch and Drill Press in EPC-1.
- CE is assisting S&GW with motors that have NRTL/NEMA listing documentation, but are not NRTL labeled. The quantity of motors requiring AHJ approval labels is currently being evaluated. AHJ evaluations will be performed on the motors on the basis of the vendor submittal documentation to add AHJ approval labels to motors.
- CE assisted W&FM with an electromagnetic drill that does not have NRTL listing or labeling. W&FM electricians have completed an AHJ evaluation form on the drill. CE is currently in the process of obtaining AHJ signature for approval.
- CE participated in the KOP Project Review Board (PRB). CE was a member of the PRB and provided a Final Design Review presentation to the PRB.
- CE supported the W&FM Project Cesium/Strontium capsule management baseline change presentation.
- CE completed, approved, and has released FMP-ECR-11-002092, Building 2610E compressed air system. This FMP documents the as-built and leak testing requirements for the compressed air system.
- CE has been assisting 200W Pump and Treat Project on over pressure protection of piping systems and filter housing. Several piping systems are being reviewed to determine if the pump discharge pressure could exceed the piping systems design pressure.

  CE attended ASME B&PV Code committee meetings in St. Louis, MO the week of 11/7/11. CE is a member of two Section III committees, NUPACK (nuclear packaging – Div. 3) and MF&E (Materials Fabrication & Examination – Div. 1).

Communications

Internal Communications

- Launched the *Weekly Update*, an e-mail bulletin that delivers employee messages, safety, news and community information to all CHRPC employees and managers. The bulletin accompanies a revision to the intranet homepage that features similar information as well as a new blog with messages from management.
- Produced three episodes of *InSite*, the weekly news program.
- Reviewed papers for the Waste Management Symposium 2012.
- Distributed results from the survey about all-hands meetings.
- Provided communications support to the Voluntary Protection Program and Environmental Management System campaigns and the launch of the project-wide winter safety campaign, including bi-weekly bulletins and posters.

Media Relations

- Issued a press release on the demolition of the Plutonium Finishing Plant vault complex. The story

was featured by the Tri-City Herald, Seattle Daily Journal of Commerce, and Nuclear Street blog.

- Published two advertisements in the Tri-City Herald recognizing CHPRC outreach and support to small businesses and the community.
- CHPRC base-funded accomplishments were featured in a two-part segment in the DOE EM Update newsletter.

Public Involvement

- Developed a presentation on the Record of Decision for Remediation of 200-PW-1, 200-PW-3, 200-PW-6, and 200-CW-5 to be given at the December 7, 2011 Hanford Advisory Board River and Plateau Committee meeting
- Developed and issued public notice of availability for the Regulatory Basis and Implementation of a Graded Approach to Evaluation of Groundwater Protection draft document. Stakeholders can provide input to the document until January 6, 2012. To date, no comments have been received.
- Provided assistance in the development of the comment responses for comments received on the Non-radioactive Dangerous Waste Landfill Environmental Assessment.
- Provided assistance to RL in developing and issuing letters to stakeholders who commented on the Proposed Plan for Remediation of 200-PW-1, 200-PW-3, 200-PW-6, and 200-CW-5.

PROJECT BASELINE PERFORMANCE
Current Month
($M)

WBS 000 Project Services and Support	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance ($)	Schedule Variance (%)	Cost Variance ($)	Cost Variance (%)	Budget at Completion (BAC)
Indirect WBS 000 Total	8.3	8.3	8.0	0.0	0.0%	0.3	3.4%	1,115.6
Communications	0.1	0.1	0.1					14.8
Safety, Health, Security and Quality	0.8	0.8	1.2					119.2
Environmental Program and Strategic Planning	0.2	0.2	0.3					30.1
Business Services	6.2	6.2	5.3					738.2
Prime Contract and Project Integration	0.7	0.7	0.7					83.3
Engineering, Projects and Construction	0.3	0.3	0.4					41.8

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: (+$0.3M/+3.4 %)

The current month cost variance is within threshold.

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	365.1	365.1	342.3	0.0	0.0%	22.8	6.2%	1027.4
Communications	7.2	7.2	6.6					14.8
Safety, Health, Security and Quality	55.7	55.7	60.9					119.2
Environmental Program and Strategic Planning	10.7	10.7	10.3					30.1
Business Services	242.4	242.4	219.0					738.2
Prime Contract and Project Integration	29.7	29.7	26.4					83.3
Engineering, Projects and Construction	19.4	19.4	19.2					41.8

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: (+$22.8M/+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 negative 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 (+$0.3M) is within reporting thresholds.

Baseline Change Requests

BCR-PRC-12-001R0 - *PRC Baseline, Rev. 3*
BCRA-030-12-004R0 - *November 2011 Admin BCR*

FY2012 G&A and DD Analysis
($M)

WBS 000 Project Services and Support	FY 2012 FYTD BCWS	FYTD Actual	FYTD Variance (O)/U	FY 2012 BCWS	FY 2012 Forecast	FY 2012 Variance (O)/U
Total	**14.6**	**14.3**	**0.3**	**108.1**	**112.3**	**(4.2)**
General & Administrative (G&A)	**9.2**	**11.2**	**(2.0)**	**67.6**	**71.2**	**(3.6)**
Communications	0.2	0.2	(0.0)	1.2	1.2	0.0
Safety, Health, Security and Quality	1.4	2.0	(0.6)	10.6	12.7	(2.1)
Prime Contract and Project Integration	1.2	1.3	(0.1)	9.2	8.7	0.5
Business Services	5.9	7.1	(1.2)	43.2	44.5	(1.3)
Engineering, Projects & Construction	0.5	0.7	(0.2)	3.5	4.3	(0.7)
Direct Distributables (DD)	**5.5**	**3.1**	**2.4**	**40.5**	**41.1**	**(0.6)**
Env. Program & Strategic Planning	0.4	0.5	(0.1)	3.3	3.4	(0.1)
Business Services: Retiree Insurance	0.9	0.5	0.3	6.4	6.4	0.0
Business Services: Pension Plan Contr.	4.2	2.0	2.1	30.8	31.3	(0.5)

	FYTD	FY 2012
Total Distribution	**(15.4)**	**(99.2)**
Total Liquidation (Over)/Under	**(1.1)**	**13.1**
G&A Distribution	(9.4)	(60.8)
G&A Liquidation (Over)/Under	**1.8**	**10.4**
DD Distribution	(5.9)	(38.4)
DD Liquidation (Over)/Under	**(2.8)**	**2.7**

Liquidation Analysis

For the month of November, application of the G&A and DD rates has over liquidated the PS&S accounts by a total of $1.1M. 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 a projected under liquidation projection of $13.1M.

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

MAJOR ISSUES

None identified.

MILESTONE STATUS

None identified.

SELF-PERFORMED WORK

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

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

None identified.