

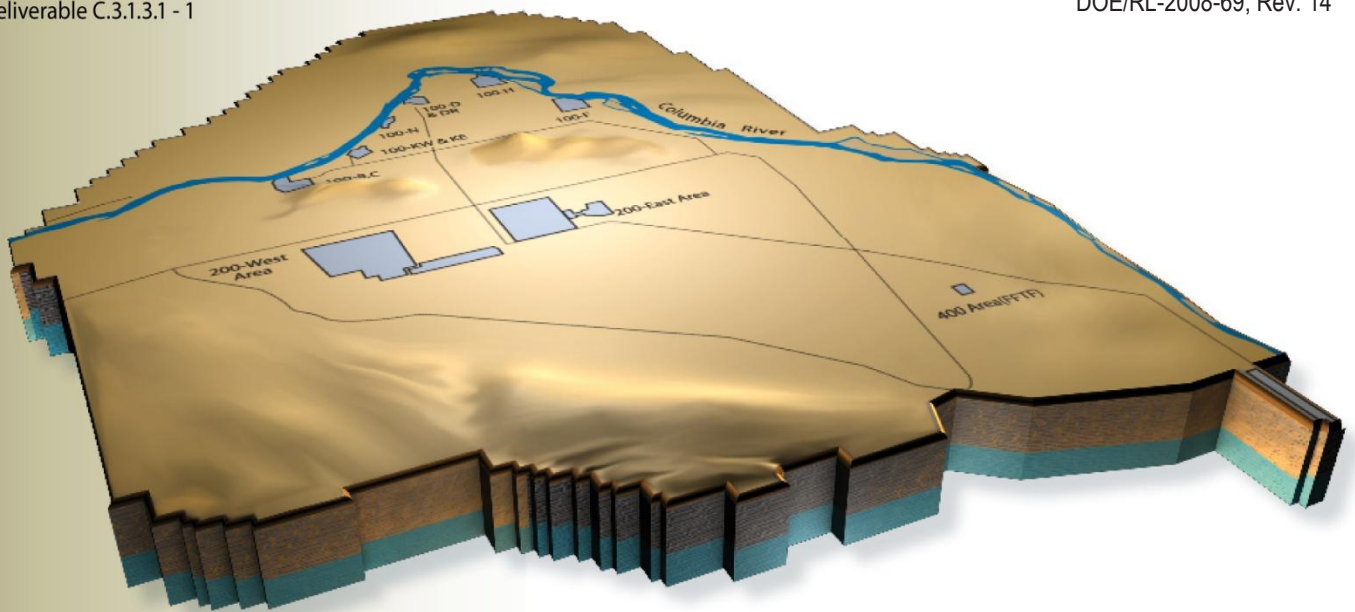


J. G. Lehew
President and Chief
Executive Officer

Monthly Performance Report

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December 2009
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EXECUTIVE SUMMARY

Focus on Safety

CH2M HILL Plateau Remediation Company successfully launched the 2010 Winter Safety Campaign, “Cold Hard Facts,” with posters and educational pamphlets encouraging safety awareness of winter hazards.

Projects continued rolling out the Workers Observing Workers program, a proactive approach for identifying and preventing hazards. Through training, workers learn how to observe safety behaviors and the best way to address the behaviors. Each project’s Employee Zero Accidents Council will report progress and findings for input into lessons learned.

On January 11, CHPRC will begin the annual Voluntary Protection Program site assessment, with support from other contractors on the Hanford Site. The team consists of personnel from Washington River Protection Solutions, Mission Support Alliance, Washington Closure Hanford, CH2M HILL, Inc. and members of the CHPRC team. An in-brief for the assessment is expected to focus on 2009 accomplishments, organizational changes with realignment of the Decommissioning and Deactivation / Balance of Site projects, and the scope and goals for 2010. For the first time, the assessment team will also review the Engineering Projects and Construction (EPC) organization as well as the functional organizations. CHPRC plans to submit the application to the Department of Energy – Headquarters office early February 2010 pending approval of the Integrated Safety Management System / Environmental Management System Phase II verification.

CHPRC published procedure revisions necessary for implementing the Integrated Safety Management System / Environmental Management System. The revisions were a closure requirement for actions identified in the CH2M HILL, Inc. visit in late October. Final preparations for DOE’s verification are on schedule for February 1.



Barry Burrow, Manager of Waste and Fuels Management Project Engineering, demonstrates what not to do with holiday lights in a safety skit performed at the December President's Zero Accidents Council.



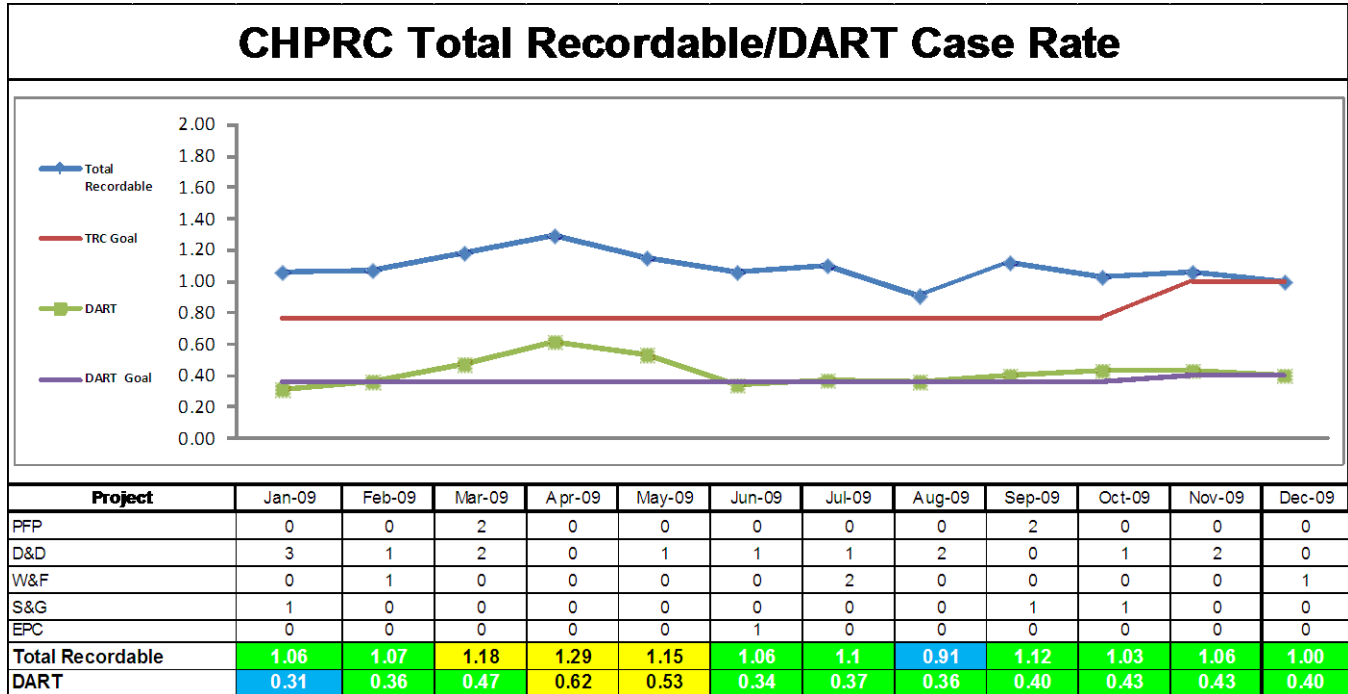
John Lehw joined a team of workers on an inspection of workplace safety as part of the Winter Safety Challenge

The President’s Zero Accidents Council met December 16. The Waste and Fuels Management Project sponsored the meeting. Project volunteers participated in a safety skit demonstrating the value of the Workers Observing Workers program.

Safety communications in December included the weekly *Thinking Target Zero* addressing Material Safety Data Sheets; 10 CFR 835 changes; work delays/early releases; and “C2P2” (Compliance, Continual Improvement and Pollution Prevention). A Special Bulletin addressed snow shovel safety.

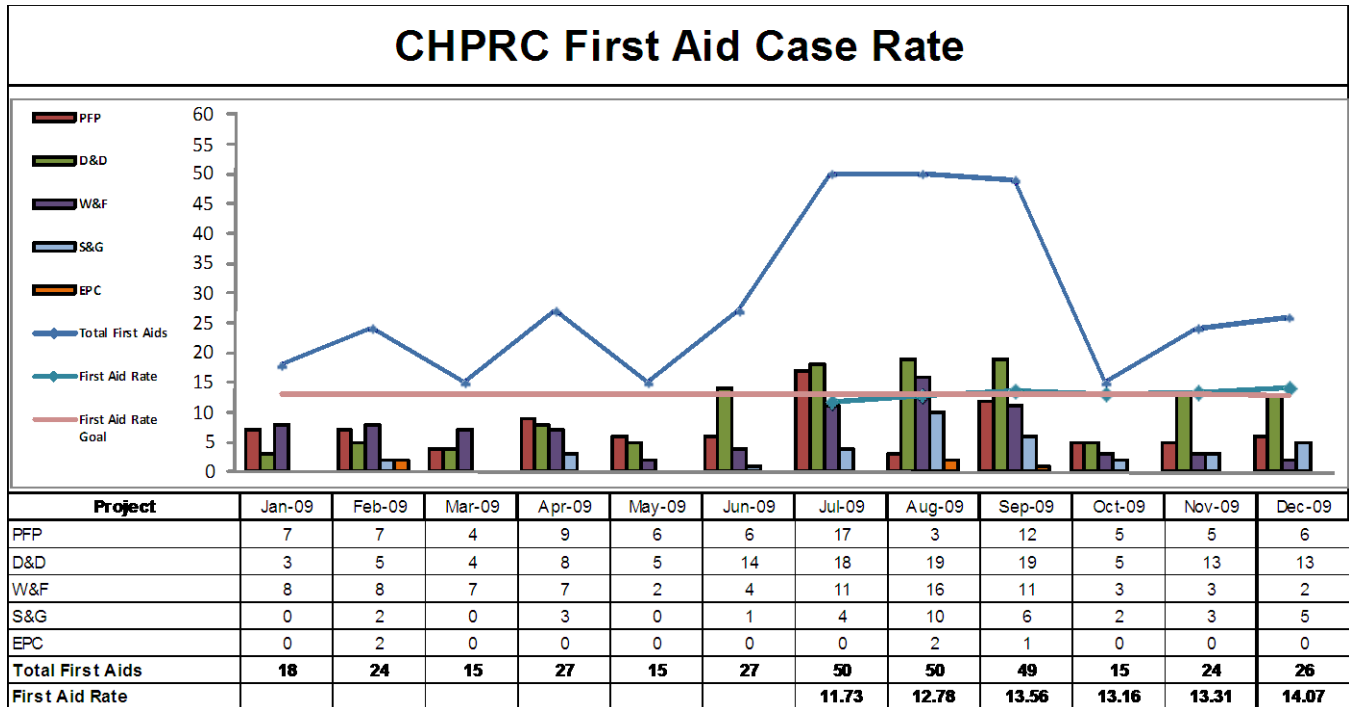
TARGET ZERO PERFORMANCE December 2009

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



Days Away, Restricted or Transferred (DART) Workdays Case Rate – CHPRC operated over 966,882 hours during the months of November and December with one reported DART case. On December 31, 2009, an employee slipped on an icy patch in the parking lot outside of Building 481. At the direction of AdvanceMed Hanford (AMH), the employee was transported to Kadlec Regional Medical Center (KRMC) for evaluation. KRMC diagnosed a contusion of the lower back, prescribed medication, and instructed the employee to remain off work for 3 days. AMH returned the employee to work with no restrictions on January 4, 2010.

Total Recordable Injury Case Rate – There was one recordable injury reported in December which was the DART case noted above. TRC and DART goals were revised to align with CH2MHill Corporate goals and DOE/EM FY09 end values.



First Aid Case Summary – Twenty six first aid cases were reported in December. Sprain/Strain types accounted for one-third of the total number and were caused by general lifting and material handling exertion, and awkward body motions. Four of eight (50%) slip/trip/fall events were related to the winter weather conditions, a significant improvement over December 2008 where 10 out of 11 slips/trip/falls during involved snow and/or ice.

PROGRAM SUMMARIES

Safety, Health, Security, and Quality

Key accomplishments in December included:

- Procedure revisions to complete implementation of the CHPRC Integrated Safety Management System (ISMS)/Environmental Management System (EMS) were published to support completion of actions identified in the corporate assist visit conducted in late October. Final preparations are on schedule to support DOE verification February 1, 2010.
- CHPRC implemented the 2007 amendment to 10 CFR 835 to the January 1, 2010 requirement. This required the review and revision of radiological technical basis documents impacted by the amendment.
- Procedure revisions were completed to support implementation of the Chronic Beryllium Disease program. In addition, 72 percent of CHPRC facilities have completed preliminary assessment to support the development of the prioritization and schedule for building characterization. Gap training has been provided to 98 percent of the CHPRC personnel that may be exposed to beryllium through work assignments.
- The second class of 40 ARRA trainee radiological control technicians (RCTs) was deployed to the field. An additional 43 candidates were selected for a class starting in January. This class will complete the ARRA recruiting effort. Projects will be adequately staffed with RCTs upon graduation of this class in early spring.

- The Respiratory Protection program developed a schedule for returning 500 powered air purifying respirator (PAPR) blower units to the manufacturer, Mine Safety Appliances, for upgrades that will improve reliability and performance. The upgrades include the addition of a stiffer back plate and a change to the control logic.
- CHPRC provided the leadership training program to approximately 800 employees that serve as leaders in any capacity as manager, supervisor, team lead, field work supervisor, etc.
- Mentoring on arc flash and shock hazard analysis documentation was provided across projects.
- CHPRC submitted nine safety documents to RL for review and approval, including the updated sludge treatment project safety design strategy and the proposed PFP safety basis changes to support transition of 2736-Z into D&D. RL approved six documents including two SPA checklists to support transportation of waste materials from the 100K cleanup effort.
- Ninety Assessments were completed in December generating 120 Condition reports. No issues were screened as Significant or Adverse.

Environmental Program and Strategic Planning (EPSP)

DOE-HQ has certified CHPRC's EMS. Corrective actions associated with the independent audit of the EMS have been loaded into the CRRS system and are being worked in preparation of the Phase II ISMS/EMS certification audit by RL scheduled to begin February, 2010. Corrective actions include development of a new procedure to define new CRD prevention and response requirements and for internal EMS audits.

The comment period for EPA Region 10's public notice of its proposal to remove the CERCLA wastewater discharge prohibition from the NPDES permit (WA-002591-7) that was issued last summer, closed on November 16, 2009. This was in response to the CHPRC permit appeal filed last summer. Additionally at CHPRC's request, the public notice also stated that EPA was removing all provisions from the permit pertaining to discharge from 300 Area TEDF due to the shutdown of that facility (no comment on this was requested). Subsequent to the public comment period, EPA issued a revised permit removing the 300 Area outfall provisions.

CHPRC along with WCH and RL met with regulatory agency representatives to discuss content and standardization of remedial action completion documentation submittals. In response to input from EPA, CHPRC is taking steps to modify the annotated outline of the Response Action Completion Report (RACR) to align with terminology and consistency recommendations.

The EQA organization completed six surveillances during the month of December:

- QA-EQA-SURV-10-005 "Review 100K Project for Compliance with CHPRC-00189, Rev 1 EQAPP, Sec. 2, Quality System Components" resulted in no findings and no opportunities for improvement.
- QA-EQA-SURV-10-039 "SGRP: Review GRP-EE-01-7.4 and GRP-FS-04-G-005 for compliance with PRC-PRO-MN-490" Finding – CR-2009-2094; OFI – CR-2009-2095
- QA-EQA-SURV-10-043: "BOS D&D Project: FWS Qualification & Training". No findings or opportunities for improvement resulted from this activity.
- QA-EQA-SURV-10-008: "SGRP: Evaluate Subcontractor Qualification & Training for personnel supporting well activities". No findings or opportunities for improvement resulted from this activity.
- QA-EQA-SURV-10-009 "PFP Closure: Evaluate NCO Qualification & Training/Role & Responsibilities for support of sampling activities". No findings or opportunities for improvement resulted from this activity.

- QA-EQA-SURV-10-042: “100K Project: Review NPDES Permit WA-002591-7”. This surveillance resulted in two findings and two opportunities for improvement.
 - Finding CR-2009-2372: Language demonstrating implementation of NPDES was not contained in App. H of CHPRC-00189 EQAPP
 - Finding CR-2009-2375: Requirements of PRC-MP-QA-599 and DOE O 414.1C CRD were not incorporated in App. H of CHPRC-00189, EQAPP
 - Opportunity for Improvement CR-2009-2376: Procedures OP-06-006 and PO-50-001 were not consistent with permit requirement WA-002591-7, Part III.E
 - Opportunity for Improvement CR-2009-2378: Procedures OP-06-006 and PO-50-001 were not consistent with permit requirement WA-002591-7, Part I.B.8

In support of the CHPRC PMB Rev. 2, risks and impacts have been updated and initial Monte Carlo risk modeling. The risk analysis will be completed in January and will be submitted with the PMB Rev. 2.

The ARRA Information Exchange Working Group held its second complex-wide conference call to discuss the eight recommendations from the workshop. All eight working group actions have been completed. Participants also discussed focus areas for the next exchange meeting scheduled for February 9-10 in Washington, D.C.

Business Services and Project Controls

A primary focus in December 2009, continuing in January 2010, is incorporation of RL comments on the PRC Baseline, Revision 1, into the updated PRC Baseline, Revision 2, and the completion of a quantitative risk analysis for each project, justifying the assignment of management reserve for the 10-year contract period, by year, to at least a 50 percent confidence level. CHPRC will submit the updated PRC Baseline, Revision 2 by January 31, 2010.

Progress was made in assembling a team to develop and process the Equitable Adjustment requests (REA) for submittal to RL. A process was outlined, briefed to the RLCO's office, and included in the action plan that was submitted as requested on December 31, 2009. As a priority, pending REAs that are fully or partially funded by ARRA were identified by RL as requiring submittal by February 26, 2010, in order to complete the definitization of the ARRA contract negotiations. Of the approximate 90 potential REA's, 50 are associated with ARRA work scope.

ARRA reporting continued with submittal of weekly Jobs Data Call updates and the Monthly Report to RL.

In December 2009, CHPRC approved and implemented two (2) baseline changes requests. One is administrative in nature and did not change scope, budget, management reserve or fee. The other change request is an advanced work authorization, specifically, AWA-PRC-10-017, “Initial Implementation of DOE Comments on the PRC Baseline, Revision 1.” This advanced work authorization was issued for two primary reasons: (1) implement changes to the performance measurement baseline (PMB) as early as possible associated with major work scope changes directed by RL, such as revised reactor schedule and building/waste site re-sequencing in the 100K Project, contract modifications M068 and M080; and, (2) incorporate RL comments on the PRC Baseline, Revision 1, into the earned value management system so that project performance and reporting can be up-to-date taking advantage of RL insights on the baseline as documented in the Conditions for Approval for PRC Baseline Revision 1. No management reserve was used in December 2009 and the advanced work authorization did not change the life cycle management reserve values. However, the advanced work authorization did add \$302,172K in fee and increased the life cycle budget for the PMB by \$279,787K. See the Format 3 Reports in Appendix A and A-1 for a listing of these specific change requests and the impact on the PMB.

Procurement Procedures RD-10320, PRO-123, PRO-192 and PRO-186 were revised and updated to incorporate comments from the ISMS phase II QA surveillance. The changes included additional flexibility for projects to assign persons to execute BTR responsibilities and clarify process requirements for material purchases. Redline versions of the changes were sent to PRC Documents for review and publication

Buyer's Technical Representative (BTR) notice 15 was distributed to over 300 BTRs and interested persons reminding them of specific supply chain activities that could be important to the ISMS phase II review. Included in the notice was a reminder about the BTR required reading list, ensuring the active involvement of Subject Matter Experts in SOW development and ensuring that Contract Labor resources are adequately briefed on safety responsibilities, job hazards and emergency planning.

ARRA Facilities Compliance Verification Team completed the post-occupancy verification of all occupied ARRA non-restroom/shower facilities to ensure compliance to all applicable fire protection, safety, security, emergency preparedness, cold weather protection and preventive maintenance requirements. The final recap of observations and action items is being prepared for follow up activities and application of lessons learned. All safety related issues were remedied as they were discovered. The actions discovered during the verification which are in work include:

- Final assignment of Building Administrators, Building Wardens, Safety and Security Representatives, further building warden training, and long term occupancy documentation.
- Drawings of the final facility configurations need some selected updating.
- Hard copy Fire Marshall Occupancy Permits need to be provided in a more timely manner

As of December 31, 125 of the 126 Phase I and II ARRA mobile facilities have been delivered to the site and 107 Units have been accepted for occupancy. The single remaining unit is a restroom trailer for the former PFP protected area scheduled for delivery in January. The 18 units in the 200E Unsecured Core Area are in the final phases of construction and will be turned over to Facilities in January.

Material Services assisted PRC Respiratory SME in PassPort to facilitate the return of approximately 500 blowers to MSA. The blowers will be updated by MSA to prevent them from stopping air flow when stress is placed on them. All updated blowers will be returned to inventory or to the field once the repair is made.

Material Services created a draft Desk Instruction to assist users in the field to take order information from the eBOM system and find the related information in PassPort Material Requests, Purchase Requisitions and Purchase Orders. The desk instruction helps customers know when purchase orders are awarded and when the materials are expected to arrive on site.

PCard Holder's User Manual and Purchasing Card procedure were revised and sent to Procedure group for formal processing. Changes were made to further define the process to purchase safety footwear and glasses, winter clothing, and mission-specific equipment and to add that eBOM chemical purchases are to be routed and approved by Chemical Management.

Created a Determination of Required Approvals for Items (DRA) that provides eBOM users with guidance on who to route eBOMs to for approvals. The DRA was imbedded into the PRCMSS (eBOM) system, and links to it were added to the PCard Holder's User Manual and the Purchasing Card procedure.

During December, Prime Contracts participated in and supported the ARRA definitization negotiations, which resulted in the signing of Mod 087 on December 18, 2009. We also received and processed six contract modifications (#029 Reissue, 061, 079, 083, 084, and 085) from RL. The Correspondence

Review Team reviewed and determined distribution for 44 incoming letters from RL and the Prime Contract Manager reviewed 62 outgoing correspondence packages.

During the December reporting period, Interface Management:

- Finalized and reached agreement with the Mission Support Alliance (MSA) on a new Administrative Interface Agreement (AIA) with the MSA for Fleet Services support to CHPRC. This agreement clarifies CHPRC and MSA roles and responsibilities for acquisition of vehicles and equipment required by the CHPRC to meet PRC objectives.
- Finalized and reached agreement with the MSA on a revision to the AIA with the MSA for CHPRC Waste & Fuels Management Project's use of Super Dump trucks by CHPRC construction personnel performing waste site remediation. This revision incorporates the use of six additional Super Dump Trucks, bringing the total number used by CHPRC for waste site remediation to ten.
- Finalized and reached agreement with the MSA on a new AIA for Water Services. This document addresses water use by multiple CHPRC managed Facilities and enables elimination of a number of interface agreements preceding the CHPRC and the MSA and significantly simplifies water systems interfaces.
- Finalized and reached agreement with the Washington TRU Solutions (WTS) Central Characterization Project (CCP) on Revision 1 to the Memorandum of Agreement (MOA) between CHPRC and WTS for the CCP's performance of contact handled (CH) transuranic (TRU) waste characterization and certification activities at the Hanford Site. This update was prepared in support of CCP beginning operations on the Hanford Site.
- Finalized and reached agreement with WTS CCP on Revision 1 to the Interface Agreement between CHPRC and WTS. This AIA supplements the CHPRC/WTS MOA to identify in detail CCP and CHPRC responsibilities for implementing requirements and deliverables associated with TRU waste characterization and certification activities at the Hanford Site by the CCP. This update was prepared in support of CCP beginning operations on the Hanford Site.
- Finalized and reached agreement with Washington Closure Hanford (WCH) on new AIA addressing interfaces between WCH and CHPRC related to CHPRC's operation of the 300 Area Retention/Transfer System (RTS). WCH is responsible for maintaining 300 Area liquid effluent discharges in compliance with City of Richland Discharge Permit No. CR-IU010. This agreement was prepared in support of CHPRC's anticipated startup of the RTS around the first of the year.
- Continued to work with AMH and CHPRC SH&Q, Procurement, Training, and Engineering, Projects, & Construction to address issues associated with implementation of 10 CFR 851, Worker Safety & Health Program and training requirements for CHPRC Subcontractor employees and completion of associated action items from the CHPRC September 23, 2009, Quarterly Subcontractor Safety Meeting.
- In conjunction with Washington River Protection Solutions (WRPS), continued to support the MSA's development of enhanced MSA Service Delivery Documents (SDDs) for sixty-three services provided by the MSA. These enhanced SDDs, when completed, are intended to better communicate to Project end-users the definition and cost of MSA provided services and how to obtain them.
- In conjunction with Pacific Northwest National Laboratory (PNNL) and WRPS, continued to support the MSA's development of a Hanford Site Infrastructure and Services Alignment Plan (ISAP). The ISAP, which is a major MSA deliverable due to RL in February 2009, describes the activities necessary to integrate MSC responsibilities with those of other Hanford Site (Mission)

contractors, to right-size the infrastructure and services, and to maintain the capacity of infrastructure systems provided for the Hanford Site over its life-cycle.

- In conjunction with PNNL and WRPS, continued to support the MSA's development of a proposed revision to the DOE J-3 Hanford Site Services and Interface Requirements Matrix. The proposed revision is a required to be submitted by the MSA to RL in parallel with the ISAP.
- Met with MSA representatives to be briefed on the MSA efforts to develop the MSA deliverable to RL to prepare a Business Case Analysis for the potential performance of the current PNNL Public Safety and Resource Protection (PSRP) and Radiological Site Services (RSS) scope by the MSA. CHPRC has a vested interest in the outcome of this MSA deliverable as CHPRC is a major user of these services.
- Participated in the Washington State University (WSU), College of Engineering and Architecture, Department of Mechanical and Materials Engineering (MME) bi-annual two day Advisory Board meeting in Pullman, Washington, representing CHPRC as a part of CHPRC's commitment for community involvement and support of education. CHPRC's representative, James Kelly, has been a member of the Board since December 2000. The scope of the WSU MME Department includes the MME programs at the WSU Pullman, Richland, and Vancouver Washington campuses. The role of WSU MME Department Advisory Board, which includes representatives of northwest and national engineering employers such as Boeing, DOE, Hewlett-Packard, PACCAR, Pacific Northwest National Laboratory, Sandia National Laboratories, and Vista Engineering and the President of the American Society of Mechanical Engineers, is to bring industry perspective and provide input to the objectives and assessment of outcomes of the Mechanical Engineering and Materials Science and Engineering curricula provided by WSU.
- Finalized and reached agreement with Washington Closure Hanford (WCH) on a new AIA addressing interface between WCH and CHPRC related to transfer of responsibilities for WIDs site 100-B-27 to allow CHPRC to sample it as part of the WCH closure of the site.

Engineering, Projects and Construction (EPC)

ARRA

The ARRA Mobile Facilities Installation Project installed 11 new mobiles during the month of December 2009 which completes placement of all but one unit of the phase I of mobile facilities. Procurements for Phase II mobiles were started will be completed no later than 16 February 2010. Phase II consist of 10 Sites of 36 mobile unites each.

Central Engineering continued to provide technical support to CHPRC this included:

- Issued Management Directive PRC-MD-EN-40250, Revision 0-0, *Engineering Design and Evaluation (Natural Phenomena Hazard)* to implement DOE-STD-1020-2002, *Natural Phenomena Hazards Design and Evaluation Criteria for Department of Energy Facilities*, and the current International Building Code (IBC) edition (2006), for new facilities and major modification of existing facilities.
- Completed preparations for the January Sludge Treatment Project (STP) Conceptual Design Review. The review is scheduled to start January 12, 2010.

- Provided technical support for the PFP 234-5Z and PFP 236-Z facility cooling system. This included technical input, reviewing, and commenting on the air cooled chiller units (SOW and technical specification CHPRC-00446), outdoor secondary unit substation (SOW and technical specification CHPRC-00430), and the technical specification for the design build for the PFP cooling system.
- Led a Department of Energy (DOE)-wide effort to develop Commercial Grade item Dedication (CGD) procedures and policies. The effort is in support of the Energy Facility Contractors Group (EFCOG) and is being worked in coordination with the DOE Richland office (RL) and DOE Headquarters efforts to develop and deliver CGD training to the DOE complex. Contact has been made with the DOE National Training Center to initiate development and delivery of a centralized CGD training program.

Communications and Outreach

During the month of December, Communications coordinated a media event with the Department of Energy in celebration of removing special nuclear material containing plutonium out of the Plutonium Finishing Plant. Among the speakers and guests were David Brockman, Manager of DOE-Richland Operations Office; Dave Reeplog, from the office of U.S. Senator Maria Cantwell; Shawn Bills, from the office of U.S. Senator Patty Murray; Tim Kovis, from the office of Rep. Doc Hastings; and Jane Hedges, Department of Ecology.

Communications published, *On the Plateau*, an internal employee publication showcasing employee, project and safety accomplishments; and the *CHPRC Recovery Act Update*, a weekly newsletter capturing CHPRC's stimulus funded accomplishments including articles on new hires and remediation efforts.

The Communications team supported various project assignments through written documentation, graphics and videos.

Community outreach included completing the Holiday Giving for the Richland School District, an effort that filled 75 gift bags for school aged children with special needs, support of the Junior Achievement Bowling Fundraiser.

Public involvement efforts included support to the Central Plateau Cleanup Strategy team in preparing for several stakeholder interactions including presentations to at the Hanford Advisory Board meeting, Tri-Cities Communities, and the Hanford Advisory Board River and Plateau Committee.

PROJECT SUMMARIES

RL-0011 Nuclear Materials Stabilization and Disposition

The PFP project continues to maintain PFP facilities compliant with authorization agreement requirements.

American Recovery and Reinvestment Act (ARRA)

Modifications to the Standards Laboratory were initiated to remove portions of walls and enlarge doorways to facilitate removal of the remaining hoods and glove boxes from Room's 221-C and D. Planning preparations continued for a February start date of removal of the 5,500 feet of process vacuum lines from the facility. Fifty-seven glove boxes and laboratory hoods have now been cleaned out, decontaminated to low level waste standards and removed from PFP facilities since October 1, 2008, 34 of which were under ARRA. Decontamination of HC-230-C-3 is nearly complete. External mechanical isolations were completed on Glove Boxes HC-230-C-2, HC-60, and HA-19. Eight ventilated sample storage cabinets removed earlier from Room 174 were shipped to PermaFix Northwest for size reduction prior to final disposal at Environmental Restoration Disposal Facility (ERDF). Nine additional glove boxes and hoods previously removed from Rooms 146, 187, and 221-E were also loaded into a single IP-2 container for shipment to the ERDF.

The 2734-ZJ nitrogen storage tank was loaded on a trailer and returned to the vendor, and its structural support was removed to meet PFP's slab-on-grade endpoint. This is the second such structure removed from PFP with ARRA funding, and the third total under the PRC.

Insulators continued removal of asbestos insulation from piping in the 234-5Z Building, bringing the total removed under ARRA funding to more than 6,700 feet.

Base

Terminal cleanout operations are continuing in the 2736-Z/ZB Vault complex.

Deactivation and Decommissioning (D&D) teams continued removing process equipment from the Plutonium Reclamation Facility (PRF) (236-Z Building) gallery glove boxes. Removal of process equipment from the first floor west gallery glove box has been completed. Process equipment removal from the second floor west gallery glove box is 95 percent complete. PRF canyon work focused on replacing the old cable reel and cable with a new reel. Tank characterization continues on the RADTU tank located in the South canyon airlock.

Detailed planning continued for D&D work scope in the 242-Z facility to support initial entries in early February, and sampling of the 242-Z tank room atmosphere was completed.

RL-0012 Spent Nuclear Fuel Stabilization and Disposition

Sludge Treatment Project (STP) and 100K Operations personnel completed the MSA and the Independent Self Assessment for the Settler Tank retrieval start-up. On December 8, 2009, the project initiated retrieval from the first of the ten Settler Tanks. With the equipment working as designed and tested at the Maintenance and Storage Facility (MASF) (once again demonstrating the value of testing before operational benefit), the first tank retrieval completed on December 22, 2009, with little or no carry-over of material back into the basin. The boroscope inspection of the tank showed positive results with little residual sludge left in the tank. Bulk retrieval from the second tank was also initiated.

STP awarded a contract to Randolph Construction to modify MASF, to install a pool (K West Basin replica) for integrating testing of the Engineered Container Retrieval, Transfer, and Storage (ECRTS) systems. This is critical for the project to achieve a Technology Readiness Level-6 (TRL-6) at the Critical Decision-2/3 (CD-2/3). The contractor has completed the removal of both tank vessels, and

completed the first lift of 20 feet (457 cubic yards) of Controlled Density Fill (CDF) in the inert vessel vaults.

The final knockout pot (KOP) Phase 4 In-Basin Inspection report (KBC-44019) was approved and released into the Hanford Document Control System. This document forms the foundation for determining the feasibility of drying KOP material less than ¼ inch and greater than 600 microns, so that this material can be managed in a similar fashion as the spent nuclear fuel and processed via Multi-Canister Overpacks (MCOs) for interim storage at the Canister Storage Building (CSB).

PNNL has completed and submitted Report 52578 RPT-02, "Characterization Data Package for Containerized Sludge Samples Collected from Engineered Containers SCS-CON-240, 250, 260 and 220," to CHPRC. The data is being analyzed by the STP engineers.

The support contractor for the Phase 2 Technology Evaluation and Alternatives Analysis is on board. The first task, updating the project schedule and adding additional detail and logic based on the support contractors approach, was initiated.

The kickoff meeting for the formal independent review of the ECRTS Conceptual Design and CD-1 package is scheduled for January 12, 2010. Preparations for that session have started, including draft agenda and design presentations.

RL-0013 Waste and Fuels Management Project

The Waste and Fuels Management Project (WFMP) focused on delivering safe, compliant performance.

ARRA

Weekly and monthly Recovery Act Reporting continued. M/LLW shipped 45.2m³ and completed 6.2m³ of M-91-42 waste during the month. In addition, M/LLW shipped 8.8m³ of M-91-43 waste. TRU Retrieval initiated box disassembly activities with installation of sheet piling, bracing and initial deployment of temporary wooden cover on Box 82. Next Generation Retrieval (NGR) awarded a contract for real-time radiography (RTR) equipment and services to VJ Technologies. The Alpha Caisson Retrieval project approved and released Functional Design Criteria; and issued a summary level Conceptual Design Report for review. TRU Repackaging initiated training of the second wave of Nuclear Chemical Operators (NCOs) and Radiological Control Technicians (RCTs). T Plant completed repackaging 181 TRU containers, shipped 116 containers, and received 155 containers. The Waste Receiving and Processing Facility (WRAP) completed non-destructive examination (NDE) for 353 drums and non-destructive assay (NDA) 353 drums. The Management Self Assessment (MSA) for CCP Interface Document Activities at WRAP was completed. The final shipment of roll-on/roll-off containers for self performing waste deliveries to the Environmental Restoration Disposal Facility (ERDF) was received for a total inventory of 400 containers. In addition, another new super dump truck was received bringing the total fleet of super dumps to five. The mixed waste disposal trenches received six offsite shipments (19 containers) and shipped one on-site transfers (one Effluent Treatment Facility tanker).

Base

The WFMP continued maintaining facilities in a safe and compliant condition. The Waste Encapsulation and Storage Facility (WESF) continued support to Energy Savings Performance Contract construction demolition and upgrade activities. The Canister Storage Building completed the annual RAD-Vault inspections. The Central Waste Complex (CWC) received 10 on-site transfers, 290 containers, two off-site shipments, 16 containers and completed three off-site shipments, 86 containers and 18 on-site transfers, 428 containers. Low Level Waste Burial Grounds (LLBG) placed two concrete lifts into Module 10 waste encasement. The 200 Area Treated Effluent Disposal Facility (TEDF)

discharged 1.7M gallons. Slightly Irradiated Fuel (SIF) completed teardown and return of Manitowoc 4100 cranes. The Mixed Waste Disposal Trenches received the second Navy Reactor Compartment into Trench 94.

RL-0030 Soil, Groundwater and Vadose Zone Remediation

ARRA

Recovery Act dollars are at work across the Central Plateau and along the Columbia River, constructing two groundwater treatment facilities and numerous wells that will be used for monitoring, extracting, and remediating groundwater near the Columbia River. River levels continue to impact well development at NR-2 and 30 well have been drilled, but completion cannot be claimed until the river rises. Well decommissioning has been impacted by regulatory approval of wells slated for decommissioning.

Activity	December		Cumulative	
	Planned	Completed	Planned	Completed
Well drilling	13	20	52	50
Well decommissioning	34	0	44	1
200 West P&T – Final Design	4%	7%	13%	13%
200 West P&T – Construction	0%	1%	2%	2.5%
200 West P&T – Testing/Startup	3%	3%	6%	5%
100 DX P&T – Construction/Startup	16%	4%	16%	35%

Base

Base work includes the pump and treat operations, CERCLA remedial process and documentation for the River Corridor and Central Plateau. Drilling, construction, and development of one of the final two wells supporting Phase 2 realignment of the KX and KR4 pump-and-treat systems were completed, as was construction of the road and pad to the final Phase 2 well. Modutank 3 construction is complete and turned over to Groundwater Operations on December 8, 2009. Sampling and groundwater treatment completed in December include the following:

- 108 well locations were sampled with a total of 465 samples being collected.
- 92 aquifer tube samples were collected from 39 tubes at 23 sites.
- 11M gallons groundwater treated by ZP-1 treatment facility
- 19.3M gallons groundwater treated by KX treatment facility
- 8.6M gallons groundwater treated by K west treatment facility
- 2.4M gallons groundwater treated by KR-4 treatment facility
- 2.5M gallons groundwater treated by HR-3 treatment facility
- 200K gallons groundwater treated by DR-5 treatment facility

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

ARRA

Demolition of the U Plant Ancillary facilities continued with asbestos abatement and demolition preparation ongoing in 224U and 224UA.

Sampling of the soil beneath the structures for 212N, P, and R Project has been delayed due to weather and has been rescheduled for January.

Asbestos abatement and demolition preparation activities have continued on the lower ALE structures.

Completed Cold and Dark utility isolations to support future demolition for the lower ALE facilities and continued with the utility isolation activities for the upper ALE structures.

The first of six cells for U Canyon demolition were loaded with designated equipment and cover blocks put back in place. Fixative has been applied throughout the canyon.

Remediation activities continued in the outer zone at BC Control area, CW-3 waste sites, and MG-1 waste sites. BC Control area remediated approximately 5,500 tons of soil in December; approximately 10 acres of BC control area have been cleared to date. Excavation at one CW-3 waste site continued and excavation of another site was initiated in December with approximately 1600 tons of soil removed. Sampling/Surveys have been initiated for five sites with four sites completed for the 11 MG-1 sites and two completion reports have been drafted.

Base

Planned surveillance and maintenance (S&M) activities continue. Preparations are in progress to allow change out of the B Plant high-efficiency particulate air (HEPA) and pre-filters.

Disposition of the D-10 tank in Cell 30 is being evaluated for movement to the Central Waste Complex.

RL-0041 Nuclear Facility D&D, River Corridor

ARRA

Facilities

Work continued in the 100K Area with continued characterization of 115KE, 116KE, and 117KE; and continued final disposition characterization at 183.2KW, 183.3KW and 183.7KW. Cold and dark activities continued on 115KE, 116KE, and 117KE.

Continued asbestos abatement at 183.7KW; 50% of asbestos containing material removed.

Continued removal of the alum line in 183.1KW.

Initiated demolition of 183.2KW.

Continued waste site remediation of 100-K-56 and 100-K-42 Remove, Treat, and Dispose (RTD) sites.

Continued loading out the UPR-100-K-1 soil. Work was paused in the under-basin work and the work crew shifted to pipeline remediation for waste sites 100-K-47, 100-K-56, and 100-K-3.

Work continued on 105KE Reactor Disposition preliminary design, project definition and regulatory documentation. Initiated 105KE cold and dark activities. Initiated field work for characterization of the reactor core, process tube, and port surveying to begin early January and February for core boring activities. An Alternative Option Strategy meeting was held the middle of December to assess the alternatives for Core Removal.

Waste Sites

Continued waste site remediation of UPR-100-K-1 (100-K-42); and 100-K-56, 100K Reactor Cooling Water Effluent Underground Pipelines.

Began Confirmatory Sampling of 100-K-63, 100-KW Floodplain Contamination Area; and 100-K-64, 100-KE Floodplain Contamination Area

Other

Continued debris removal from the K West Basin.

Continued design of the 100K Area River Water Isolation, Electrical Power Isolation, and the K West Basin Airborne Contamination Remediation Projects.

Base**Facilities**

Continued characterization and cold-and-dark activities at the 182K Water Reservoir Pump House; decontamination was initiated.

RL-0042 Fast Flux Test Facility (FFTF) Closure

The Fast Flux Test Facility (FFTF) is being maintained in a low-cost surveillance and maintenance (S&M) condition. The 400 Area water system continues to operate providing service to other occupants of the 400 Area and water for fire protection.

All scope within the FFTF Closure (RL-0042) project is base funded. There is no funding from the American Recovery and Reinvestment Act.

KEY ACCOMPLISHMENTS

RL-0011 Nuclear Materials Stabilization and Disposition**11.02 Maintain Safe and Compliant PFP – Base**

- Comments were resolved from the RL Safety and Engineering Division review of the documented safety analysis and Technical Safety Requirement changes (letter CHPRC-0900668) to facilitate transition of the 2736-Z Complex into the D&D mission.
- Filter Room 314 damper repairs were completed which enabled successful performance of annual aerosol testing.
- Completed tie-in of 242-ZA fire sprinklers to Riser 7 in Corridor 10 of PRF.

11.04 Disposition Special Nuclear Material (SNM) - Base

- Initiated disassembly of the Lampson crane for relocation to the 200W interim storage area.

11.05 Disposition PFP Facility - Base

- Process equipment removal from the PRF second floor west gallery glove box is 95 percent complete.
- Progress continued with the PRF canyon entries for reactivation of the canyon crane with only electrical work left.
- South canyon airlock work continues for characterization/disposition of the RADTU tank.
- Sampling of the 242-Z tank room atmosphere was completed. The results indicated less than reporting detection limit or levels of no concern. No additional controls are required for entries into the tank room.
- Equipment setup for 242-Z entries is underway, temporary load centers being staged for the entries.
- Initiated planning/statement of work for the installation of an HVAC unit in 2727-Z to support use of the facility for dressing and supply storage.
- Initiated planning for temporary power to support PRF and 242-Z operational support trailers and 2727-Z.
- Initiated fabrication of shielded drum liners for use for disposing of the 242-Z glove box equipment.
- Removed the HEPA-6-25A high gram value filter from Room 642 of 2736-ZB.
- Released the work package to perform electrical isolation of Room 636 Glove Box in 2736-ZB.

- Released the work package to perform mechanical isolation of the liquid nitrogen generator attached to 2731-ZA.

11.05 Disposition PFP Facility – ARRA

- Room 187 Hoods 1,2,3,4,5:
 - applied fixative
 - separated the hoods from their E4 connections
 - removed the hoods and turned them over to Waste for disposal
- Room 146-5 glove box:
 - performed decontamination of internal surfaces
 - applied fixative
- Room 136-1,2,3 glove box:
 - completed removal of electronic cabinetry
 - removed the 26-inch vacuum piping
- Separated Room 221E Hoods (221E-1, 2, 3) from their E4 systems, and transferred them to Waste for disposal.
- Completed Room 230C internal equipment removal and external mechanical isolations on Glove Box HC-60.
- Completed the mechanical isolations on glove box HC-230C-2. Nondestructive assay of the process exhaust duct and drains are 80 percent complete.
- The mechanical isolation for Glove Boxes HA-19B1 and HA-19B2 in Room 235B was completed and the removal of internal process equipment initiated.
- A new crew in Room 227 started activating Glove Box HC-227S and mobilized to isolate process lines external to this glove box.
- A new crew in Room 232 started activating glove ports on Glove Box HA-46. Shipped nine glove boxes to ERDF and eight glove boxes to PermaFix for waste disposition. These glove boxes were removed from “A” Labs, Standards Labs, and Plutonium Process Support Laboratories.
- Widened two doorways in the Standards Lab to allow for future removal of glove boxes.
- Removed the liquid nitrogen storage Tank 2734-ZJ and returned it to the vendor.
- Removed security equipment from 2701-ZD Badge House.
- Completed Waste Identification walk downs for eleven buildings in support of planning to take facilitates to “for ready for demolition” status.
- Performed technical evaluation and awarded contract to acquire three 300 ton York Air Cooled Screw Compressor Chillers for 234-5Z and 236-Z facility cooling.
- Completed preparing an additional PPE dressing location (i.e. change room) and placed in service. This additional dressing area is expected to improve efficiencies in getting field work teams to the D&D work locations
- Facility modifications to enable remote monitoring of Criticality Alarm System Panels 7 and 9 in the 321 power control room have been completed, eliminating the last active function in the now-deactivated PFP Central Alarm Station.

RL-0012 Spent Nuclear Fuel Stabilization and Disposition

12.16 Sludge Treatment Project (STP)

- The phase 2 Technology Evaluation and Alternative Analysis Support Contract was awarded to Lucas EMS. A kickoff meeting for this contract was held on December 7, 2009. The first task

of the support contract will be the development of the round 2 performance specification and proof of principal testing statements of work for the selected technology vendors.

- A total of six technology vendor proposals have been received for the treatment and packaging of K Basin engineered container / settler tube (EC/ST) sludge. An STP team has completed the initial evaluation of five of these proposals. The sixth will be completed early next week, and the schedule is to lay out our path forward into the round 2 testing by the end of next week. It appears that we will select several parts of the vendors proposals, and supplement the testing program with technologies identified by the STP project team that were not proposed by the vendors, to assure that a broad range of potential technology solutions are evaluated in the Technology Evaluation and Alternative Analysis. The testing performance specification and statements of work for this testing will be developed with the support of the recently awarded support contract discussed above.
- The draft plan for loading of KOP material into MCOs was completed and distributed for internal review. The revised plan includes results of Phases 3 and 4 in-basin inspections. The document provides the basis for gas generation, thermal, and criticality analyses.
- A revision to HNF-SD-SNF-RPT-007 (OCRWM “Q” List) was issued on December 17, 2009. The document, which identifies the Hanford Site Items and Activities that require application of the Office of Civilian radioactive Waste Management (OCRWM), Quality Assurance Requirements Document (QARD) was updated to include loading KOP material into MCOs.
- Test runs using Settler Tank and K West sludge stimulants with the Hazelton Pump (for the wear test) were completed. Degradation in pump performance was noted during the course of testing. Post-run inspection of the pump internals was completed; measurements were taken for comparison with baseline conditions to support further evaluation on the extent of erosion from the sludge stimulants and to reconcile the degradation of pump performance.

RL-0013 Waste and Fuels Management Project

ARRA

13.01 Project Management

- Training continued for the ARRA-funded staff
- Continuing weekly and monthly Recovery Act Reporting

13.04 Mixed Low Level Waste (MLLW) Treatment

- Reduced the inventory of M/LLW at CWC/WRAP/T-Plant to fewer than 1,000 waste packages (946 packages totaling 376m³).
- Submitted the Site-specific land disposable restrictions (LDR) variance for the P015 drum (beryllium dust) to RL
- M-91-42 TPA:
 - 45.2m³ shipped and 6.2m³ completed during month
 - 8,089m³ shipped and 7,882m³ completed since January 2003 (Base & ARRA)
- M-91-43 TPA:
 - 8.8m³ shipped and 0m³ completed during month
 - 671m³ shipped and 661m³ completed since January 2003 (Base & ARRA)

13.05 TRU Retrieval

- Disassembly of 3A Trench 17 Boxes 82 and 80
 - Received Hazard Review Board approval to proceed with disassembly.

- Received additional tools, tool modifications, and materials based upon Simulation Test Site mock-up.
- Completed site preparations (excavation, backfilling, access ramp) and equipment and materials staging.
- Trained personnel on operation of Passive Aerosol Generator system.
- Began box disassembly activities with installation of sheet piling bracing and initial deployment of temporary wooden cover on Box 82.
- Continued excavation and removal preparations for 3A Trench 17 Box 3
- Continued planning and engineering activities to support start-up of removal in 3A Trench 8
- Loaded high-dose (remote handled) container WH-74-076 into shielded concrete overpack
- Covered three exposed containers with plastic tarps and stabilized 4B Trench 11 pending resolution of 4B Trench 10 issue.
- Awarded contract for concrete overpack dividers & shield rings
- Next Generation Retrieval
 - Awarded contract for real-time radiography (RTR) equipment and services to VJ Technologies
 - Completed Vent Station CONEX factory inspection on December 29
 - Modified the design package for the Trench Face Process System (TFPS) procurement specification; removed the Shredder Unit and added a Sorting Table Unit
- Alpha Caisson Retrieval
 - Project Review Board concluded with recommendation to complete Conceptual Design
 - Functional Design Criteria approved and released
 - ARES submitted Waste Retrieval System (WRS) conceptual design for CHPRC review
 - Areva submitted Waste Processing System (WPS) conceptual design for CHPRC review
 - CHPRC completed summary level CDR document and issued for review
 - Completed Material at Risk reports on Alpha Caisson 1 and draft reports on Caissons 2, 3, and 4
 - Completed draft report on energetic reactions
 - Issued hazard analysis tables for review.
 - Submitted Safety Design Strategy to DOE for approval
 - Issued Technical Readiness Level report
 - Issued SOW's for follow on WRS and WPS design packages

13.06 TRU Repackaging

- Repackaged 181 TRU containers at T Plant this period generating 231 offspring drums
- Released eight drums from on-hold drum list (59 to-date out of approximately 980)
- Initiated training of second wave of new NCOs and RCTs
- Continued to fabricate the empty drum storage tent near R-5
- Conducted multiple walk downs of the empty drum compactor in the canyon in preparation for the January Hazard Review Board (HRB)
- Shipped 116 containers from T Plant
- Received 155 containers at T Plant
- Received 1 empty roll off box at T Plant

13.07 Waste Receiving and Processing Facility (WRAP)

- Completed Non-destructive examination (NDE) of 353 drums
- Completed Non-destructive assay (NDA) of 353 drums

- Continued support of Pu-238 activities
- 21 nuclear chemical operators (NCOs) completed site training and will commence WRAP specific training Jan/Feb

13.10 ERDF Additional Capabilities

- Issued Notice to Proceed (NTP) for remaining mechanical and electrical construction work scope.
- Received, reviewed and provided comments on Design/Build contractor's mechanical and electrical design. Anticipate receipt of stamped building electrical and mechanical drawings for construction by no later than January 19.
- Alternate building "vapor barrier" has been approved for construction and will result in cost and schedule savings of approximately \$35k
- Excavation of the building foundation has been completed, forms set, and ~ 150 cubic yards of concrete was placed and finished. Excavation for placement of conduit (i.e., power, lighting, truck hot starts) continues.
- Receipt of key long lead materials and equipment are in-process (e.g. power poles, luminaries, electrical panels, breakers) ahead of critical path dates. Long lead mechanical components remain, but no schedule impacts are currently anticipated.
- Container Saw Horse design and SOW were approved and issued for bid. Draft proposal received and is currently under review.

13.15 TRU Disposition

- Continuing close-out schedule for Hanford TRU program
 - Closed 26 of 56 non-conformance reports (NCRs)
 - Cancelled 9 of 50 procedures
 - Transmitted 21 of 75 boxes of Records to Records Holding Area (21 remaining)
- Signed revised Memorandum of Agreement (MOA) with Central Characterization Project (CCP).
- Signed revised Interface Document with CCP.
- Continuing public clearance reviews for Acceptable Knowledge (AK) documents in support of CCP waste streams approvals
- Coordinating new trailers at WRAP to support new staff
- Management Self Assessment (MSA) for CCP Interface Document Activities at WRAP completed: 2 findings (closed)
- Closed all CCP pre-start punch list activities at WRAP
- Provided Conceptual Design comments for Alpha Caissons Project

13.21 Mixed Waste Disposal Trenches

- Shipped one on-site transfer, one ETF Tanker
- Received six offsite shipments, 19 containers

Base

13.02 Capsule Storage & Disposition

- Waste Encapsulation and Storage Facility (WESF)
 - Continued support to Energy Savings Performance Contract construction demolition and upgrade activities

13.03 Canister Storage Building

- Completed annual RAD-Vault inspections

13.07 Waste Receiving and Processing Facility (WRAP)

- Maintained the facility in a safe and compliant condition

13.08 T Plant

- Maintained the facility in a safe and compliant condition

13.08 Central Waste Complex (CWC)

- Completed three off-site shipment, 86 containers
- Completed 18 on-site transfers, 428 containers
- Received 10 on-site transfers, 290 containers
- Received two off-site shipments, 16 containers
- Supported Pu-238 activities
- Supported off-site road closure shipments
- Low Level Waste Burial Grounds (LLBG)
 - 218-W-5 - MWT 34 – Placed two concrete lifts into Module 10 waste encasement
 - Hazard Review Board reconvened and passed the limited scope for the Navy Core Basket offload work package

13.11 Liquid Effluent Facilities

- Received (December) 25 tankers; (CY) 645M gallons
- Treated (December) 0 gallons; (CY) 22M gallons
- 200A Treated Effluent Disposal Facility (TEDF) discharged (December) 1.7M gallons; (CY) 337M gallons
- Maintenance activities
 - Completed replacement of 92% acid diaphragm valves (safety item)
 - Completed installation and restart of Thin Film Dryer rotor assembly
 - Completed inspection and re-installation of vent header
 - Installed rebuilt Reverse Osmosis Pump 60F-P-1A (retest remains)
 - Replaced flowmeter on Ultra Violet/Oxidation unit
 - Initiated resin change-out and regeneration of polisher column resin
 - Transferred 30 customer waste drums to the Concentrate Tank A
- 310/340 Facilities
 - Issued operating procedures for 310 Retention Transfer System

13.12 Integrated Disposal Facility

- Maintained the facility in a safe and compliant condition

13.16 Off Site SNF Disposition

- Slightly Irradiated Fuel (SIF)
 - Completed all closure welding of the Outside Storage Unit (OSU) plug and have begun project closeout activities.
 - Implemented new project baseline for the Container Restraint System (for Interim Storage Casks located in the new 200E Area Protected Area) and continued Definitive Design.

13.21 Mixed Waste Disposal Trenches

- Maintained the trenches in a safe and compliant condition
- 218-E-12B – Concentrated effort in progress to minimize spread of contaminated tumbleweeds
 - Seasonal herbicides sprayed
 - Rad-Rover tractor performed extensive surveys throughout 12B burial grounds and commenced radiological control technician monitoring to verify conditions
- 218-E-12B – Received the second Navy Reactor Compartment into Trench 94

RL-0030 Soil and Groundwater Remediation

EPC Projects in Support of S&GRP - ARRA

Work continues on of the 200W Area Pump and Treat Project 90% designs for the Process Facility and Balance of Plant. Additional design work is required to incorporate changes in the equipment sizing and the lime addition system. The project completed the development of a white paper, which discusses the Tc-99 inventory and impact to the ERDF life span. This is an important information document for long term operations of the project.

Nine road crossings have been completed and grubbing for transfer piping has started for 200W P&T. Bids were received for construction of the extraction and injection buildings. The Request for Expression of Interest for the Process and Rad facilities has been released. The plan is to get a single General Contractor for the entire project.

The DX design team issued the 100% design media on December 11, 2009. BCRs documenting the increase in DX treatment capacity and change from DOWEX to SIR-700 resin submitted 28 December as a part of PMB Rev 2. In order to maximize initial throughput at DX, four new extraction wells, previously slated to tie into the new HX facility, will be routed to the DX Transfer Building M2. Design changes were initiated for these wells. Two new road crossings associated with the four new extraction wells will be completed in March.

Vendor submittals for the long lead process skids approved December 23, 2009. Skid mounted pressure vessel fabrication was initiated in December. The first two skids for 100-DX are scheduled to arrive in February. An order for the vertical transfer and booster pumps was placed with delivery of the first pumps due March 31, 2010. Material take-offs were completed for the 100 percent drawings, and material procurements (non long lead) were initiated.

Section of the DX Process and M1 transfer buildings is 90 percent complete. The M2 transfer building s roof installed will be completed no later than January 28, 2010. Process building insulation was is 30 percent complete.

Well Drilling and Decommissioning - ARRA

- *100-KR-4*: Proposed locations for wells required for K Decision Unit remedial investigation and for Phase 3 realignment of the 100-KR-4 pump-and-treat systems were walked down with representatives of the Indian Nations in preparation for upcoming drilling activities.
- *100-NR-2*: Drilling on the 171 wells for the expansion of the strontium-90 apatite barrier continued with 45 wells in process. The 45 wells have been drilled to total depth and 24 of the 45 have been constructed and developed. As a result of low Columbia River water elevations, the developments of the remaining wells are not progressing as expected. Therefore, the development of the wells will continue to be dependent on the water elevations.
- *100-HR-3 H Area*: Overall, 25 wells are being installed in support of the new DX Groundwater Treatment Facility. The first 12 wells have been drilled, constructed, and developed. The remaining 13 well locations were approved by the State Historic Preservation Officer enabling the planning and field work to continue. Pads and roads have been completed on the remaining 13.
- *100-HR-3 D Area*: Overall, 14 wells are being installed in support of the Remedial Process Optimization effort to increase the productivity of the treatment facilities. Twelve wells are in process with all 12 being drilled to total depth and ten constructed. Nine of the 12 wells have been developed. The remaining two of the 14 well locations require additional documentation to continue.

- *100-BC-5*: Drilling continued on three wells of the four wells. One of the wells have been constructed and developed.
- *200-ZP-1 Expansion*: Currently, seven of 17 wells have been initiated, with six wells drilled to total depth and constructed and 4 wells have been developed.
- *200-BP-5*: The drilling of two of the three wells is at 302 ft and 355 ft of a total 383 ft depth.

River Corridor

100-BC-5 Operable Unit - Base

Formal EPA comments on Draft A of the 100-BC Decision Unit Work Plan Addendum and SAP were received on November 25, 2009. Initial comment responses have been provided to RL for subsequent submittal to EPA. Extensive reorganization of the work plan document is underway to satisfy the EPA requested format, and comment responses are being incorporated into the Rev. 0 versions.

At the direct request of RL, preparations continued for collecting samples from the base of the 100-B-27 excavation site located directly south of the C7505 well-drilling location. The sampling instruction document has been finalized and concurred to by both RL and EPA, and site-related safety issues are all resolved. These resolutions included WCH improving egress by building a new personnel ramp to the base of the excavation, and CHPRC implementing administrative controls to mitigate any remaining sloping hazards. An Administrative Interface Agreement (AIA) was made with WCH to cover all ramp-improvement and sampling activities in the B-27 excavation. As part of the AIA and as a result of WCH completing the ramp improvement, the site is now under temporary CHPRC control until the sampling work is complete. On December 19, 2009, the sampling grid was laid out within the excavation base with all initial soil-sampling locations marked. On December 21, 2009, all of the marked sampling locations were surveyed to establish the initial sampling coordinates. The initiation of sampling has been delayed due to inclement weather conditions (snow and frozen ground) that would have prevented the work from being conducted safely. Sampling activities are expected to begin in early January.

100-KR-4 Operable Unit - Base

The following groundwater treatment was conducted 100-KR-4 Operable Unit:

- Approximately 2.4 million gallons at the KR4 pump and treat system.
- Approximately 19.3 million gallons pumped at the KX system.
- Approximately 8.6 million gallons pumped at the KW system.

The KR4 and KX systems remain under construction related to Phase 2 realignment. KR4 transfer building 1 remained out of service due to construction; KX transfer building 1 operated at reduced flow due to construction. Drilling, construction, and development of one of the final two wells supporting Phase 2 realignment of the KX and KR4 pump-and-treat systems were completed, as was construction of the road and pad to the final Phase 2 well.

Consultation with Tribal Nations regarding proposed locations of three of the four planned Phase 3 realignment wells continued throughout the month. Phase 3 realignment will impact all three 100-KR-4 pump-and-treat systems by adding three new extraction wells to the systems, realigning wells from the KR4 system to the KX system, reducing long line lengths associated with four KX system wells to improve operability, and providing spare extraction well connection capacity to the KX and KR4 systems. Phase 3 implementation is necessary to ensure the 2012 Tri-Party Agreement target for river protection is met.

The K Decision Unit Addendum to the 100 Areas RI/FS Workplan was provided to EPA for final approval, but EPA is choosing not to sign the document until the 100 Areas Integrated RI/FS Work Plan is finalized.

Paperwork to support installation of the K Decision Unit RI wells is in preparation. Two of the proposed RI wells cannot be drilled in the approved locations due to cultural issues, and alternative locations are being evaluated.

RL received EPA comments on the Draft A, In Site Remediation Focused Feasibility Study/Proposed Plan (FFS/PP) on December 4, 2009. During December, the Tri-Parties documented an agreement that RL would provide a plan for updating the FFS/PP by January 18, 2010. Revision of the FFS/PP is underway. Based on December discussions with EPA, a bio-infiltration treatability test will be planned for implementation at the 183.1-KW head house as work continues on the FFS/PP.

The resin test skid was moved from the DR-5 facility to the KX process building in preparation for testing using 100-KR-4 groundwater.

100-NR-2 Operable Unit - Base

The NR-1/2 OU Proposed Plan to Amend the Interim ROD (Draft B) was transmitted to RL on December 9, 2009. Work continued on Draft A of the 100-N Decision Unit Work Plan Addendum and SAP to actively address RL concerns. The revised documents were transmitted to RL on December 15, 2009.

Field activities for the Jet Injection Treatability Test began on December 3, 2009. All three of the test plots have been installed. The test-plot trenches were backfilled, and site clean-up activities were initiated in preparation for contractor demobilization. The associated aquifer-tube sampling continues to be conducted on a weekly basis, and core sampling in the test plots is expected to take place in late January.

Engineering continues on the design for an injection system for the Apatite Barrier expansion. A 60 percent design-review meeting was held on December 17, 2009. The final design is expected to be complete in January. Long-lead items will soon be identified for procurement prior to manufacturing of the skids. The associated Treatability Test Plan (TTP) for allowing the future expansion activities is being produced. Additional planning activities are underway.

Phytoremediation and Total Petroleum Hydrocarbons studies are continuing with PNNL as planned. All field data-collection work is complete, and the final reports are being produced. These reports are expected to be complete in January and February, respectively.

100-HR-3 Operable Unit - Base

The following groundwater treatment was conducted at 100-HR-3 Operable Unit:

- Approximately 2.5million gallons pumped at 100-HR-3.
- Approximately 0.2 million gallons pumped at 100-DR-5.

HR-3 operated at below normal levels as the H Area Aquifer Test continued, and because of frozen piping for approximately two weeks in December. The rebound study was extended to examine the influence of the river at high water. Due to the chromium concentrations measured in the RUM wells, two RUM wells are being reconfigured for long-term operation as extraction wells.

DR-5 also operated at below normal flows because two of the extraction wells, 199-D5-20 and -32, were out of service. The DR-5 system froze after a mechanical failure, and is down until replacement parts are installed. Construction has resumed and the well realignment is proceeding.

RPO modeling has been completed on five alternatives to the current baseline designed to meet 2012 and 2020 TPA Target Milestones. Alternative 5 is projected to achieve both targets and is being implemented through an approved BCR. It increases the number of new wells from 49 to 70. RPO is

now addressing the incorporation of chemical and/or biological remediation into the remedy to accelerate meeting the 2020 TPA target milestone.

Groundwater sampling commenced to support the Decision Unit Risk Assessment was conducted in accordance with a mini-SAP. Approximately 80 percent of the results have been received from the first round of sampling.

100-FR-3 Operable Unit - Base

Formal EPA comments on Draft A of the 100-F & IU-2/6 Decision Unit Work Plan Addendum and SAP were received on November 25, 2009. Initial comment responses have been provided to RL for subsequent submittal to EPA. Extensive reorganization of the work plan document is underway to satisfy the EPA requested format, and comment responses are being incorporated into the Rev. 0 versions.

Central Plateau

200-UP-1 Operable Unit - Base

A redline of the 200-UP-1 OU Groundwater Remedial Design/Remedial Action Work Plan (DOE/RL-97-36, Rev 3) was prepared incorporating Ecology comments and provide to Ecology for final review on December 10, 2009. Initiated capture zone analysis of the S-SX Tc-99 plume in support the S-SX extraction system design effort.

The U Plant pump and treat system has been shutdown since October 15, 2009 due to an ETF outage, which is expected to last until early January. A well camera survey and redevelopment activity is being planned for early January to enhance extraction well production.

200-ZP-1 Operable Unit - Base

Twelve of 14 groundwater extraction wells are currently online, pumping water at a rate of approximately 255 gpm. Approximately 11.07 million gallons of groundwater were treated in December.

200-PW-1 Soil Vapor Extraction (SVE) - Base

Active SVE operations have ended for the winter months; passive SVE operations are ongoing. Heaters within the active SVE units are operating to prevent freezing. GAC heater units are on order to help the units operate more efficiently in colder temperatures.

300 FF-5 Operable Unit - Base

EPA final comments to the RI/FS Work Plan and SAP Draft A have been received and are being reviewed. Formal comments have also now been received from the Nez Perce Tribes.

Geophysical testing will continue prior to initiation of infiltration testing during low river stage anticipated to be in February or March of 2010.

Regulatory Decisions and Integration

ARRA

- Completed 200-MG-1 Action Memorandum (Draft A) for 37 remaining waste sites in the outer area to RL; document was forwarded to Ecology for review.
- Completed 200-MG-2 Action Memorandum (Rev 0), including RL and Ecology approvals.

Base

- Incorporated all Agency comments on the 200-BC-1 Treatability Test Report. Rev. 0 will be issued early January 2010.

- Transmitted decisional draft of DQO and SAP U-8 and U-12 cribs on 12-18-09 for review and comment.
- Transmitted decisional draft of West Lake SAP to RL on 12-31-09 for review and comment.

Deep Vadose Zone Treatability Test Project - Base

Work continues on the deep vadose zone project including the pilot test, characterization test report, desiccation lab testing, uranium sequestration, soil flushing and grouting. The following summarize key accomplishment for December:

- The contract for 20 boreholes needed for instrumenting and logging for the Pilot Test should be issued by January 8, 2010.
- A Statement of Work has been drafted and will be issued as an RFP for procurement of a dry air delivery system for the project.
- MSA continues design in preparation for field work for the 13.8 KV power supply needed to operate the three phase 480 volt equipment used in the Pilot Test. Field work for the electrical upgrade should begin in the middle of January.
- The test report on Uranium Sequestration is undergoing tech editing and will be transmitted to RL in mid-January.

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

ARRA

U Plant Regional Closure Zone (U Ancillary Facilities D&D)

- Continued demolition preparation activities in 224U and 224UA.
- Continued asbestos abatement activities in 224U and 224UA.

U Canyon Demolition and Cell 30 Disposition

- The first six cells of U Canyon were loaded with designated equipment and cover blocks put back in place.
- Fixative has been applied to all of the canyon floor and eight feet up the walls.

212N/P/R Buildings D&D

- Completed demolition of 212R and 212P. Sampling for soil beneath 212N, 212P, and 212R is scheduled for January 2010.

200-CW-3 Waste Sites Sampling

- Excavation of the second RTD site (216-N-4) started in late December. Approximately 90 tons of soil was removed and transferred to ERDF.
- Confirmatory Sampling No Further Action (CSNA) samples were taken for site 2607-N/P/R and transferred to the Lab for analysis.

ALE D&D

- Continued asbestos abatement activities on the lower ALE facilities.
- Continued demolition preparation activities on the lower ALE facilities.

BCCA Waste Site Remediation

- Remediation using “super dump” trucks was ongoing with approximately 16,800 tons cumulative to date of soil removed and transferred to ERDF.

Model Group 1 (MG-1)

- The Response Action Completion Report (RACR) for 200-E-110 and 600-21 is in review.

- Analysis of sampling data for 600-36 is complete indicating RTD is required. RTD is anticipated to commence in January.
- Analysis of sampling data for 600-51 indicates RTD is not required. Closure documents are being prepared.
- The Remedial Action Work Plan (RAWP) for the first 11 sites was approved.
- The Action Memorandum for the next MG-1 sites has been prepared and has been transmitted to DOE for initial review.
- Surface soil sampling was performed at 20 locations for CSNA site 600-218.

Base

S&M

- Commenced effort for the B Plant HEPA and pre-filter change out.

RL-0041 Nuclear Facility D&D, River Corridor

41.02 RC PRC River Zone Environmental

ARRA

Facilities

- Continued design of 105KE Reactor Disposition.
- Continued project definition of 105KE Reactor Disposition.
- Continued pre-characterization work of 105KE Reactor Disposition.
- Initiated Cold & Dark activities at 105KE Reactor.
- Continued characterization of 115KE, 116KE, and 117KE.
- Continued final disposition characterization at 183.2KW, 183.3KW, and 183.7KW.
- Continued removal of alum line in 183.1KW.
- Continued cold and dark at 115KE, 116KE, and 117KE.
- Continues asbestos abatement at 183.7KW.
- 1706KE/KER below-grade asbestos removal remains suspended due to structural integrity concerns. A statement of work for a structural consultant was prepared, and will be issued in January.

Waste Sites

- Remediation continued on 100-K-56. Work is in progress to truncate or air gap the 72-inch Reactor Cooling Water Effluent Underground Pipeline to prevent any water discharge to the outfall structure.
- Remediation continued on 100-K-47, 1904-K Process Sewer. Work is in progress to truncate or air gap the line.
- Remediation continued on UPR-100-K-1 with continued soil excavation. Started planning for the performance of a dry run for scabbling the Discharge Chute Concrete.

Other

- Continued design of the 100K Area River Water Isolation, Electrical Power Isolation, and the K West Basin Airborne Contamination Remediation Projects.

Base

Facilities

- Continued characterization at 182K.
- Completed asbestos abatement at 182K.
- Continued cold and dark at 182K.

- Decontamination was initiated at 182K.

Waste Sites

- Completed the electrical wiring in the Container Transfer Area Tent. Final tie is scheduled for January 14, 2009.
- Planning is complete; work will begin on the remediation of 100-K-4 (Group 2 Waste Site).

MAJOR ISSUES

RL-0011 Nuclear Materials Stabilization and Disposition of PFP

Issue Statement – An additional decontamination process for PFP glove boxes/hoods with contamination etched into the stainless steel by historical liquid chemical processes is not currently available. Technical issues have also been identified with the application of the surface contaminated object (SCO) process to glove boxes with previously inaccessible surfaces.

Status – A comprehensive review of available decontamination processes and agents has been completed. Additional testing will be performed on Aspigel[®] to determine its suitability as a decontamination agent. Aspigel[®] utilizes a decontamination technology that is different from that of RadPro[®] and will provide an effective option for difficult applications. The SCO survey process and non-destructive assay are also being utilized where practical, to support glove box characterization and verify conformance with waste acceptance criteria. An alternate process for characterizing and transporting qualifying glove boxes for disposal at ERDF as low-level waste has been developed and is being implemented.

RL-0013 Waste and Fuels Management Project

Issue Statement – Integrity of Retrievably Stored Waste (RSW) containers is significantly less than expected. Increased resources are required to retrieve containers. Retrieval volumes required to meet TPA milestones or PBIs may not be reached.

Corrective Actions – Use multiple crews for concurrent retrieval; redirect resources to alternate retrieval sites; stabilize deteriorated containers pending in trench processing or alternate disposition.

Status – Hired additional staff, implemented multiple trench retrieval activities, and initiated interim stabilization preparations. **This is the last report on this issue.**

Issue Statement – Unknown item has been identified in 4B Trench 10

Corrective Actions – Shifting retrieval operations to another trench pending resolution

Status – Waste removal from 4B Trench 11 is on hold. Information on unknown item is scheduled for February 2010.

Issue Statement – RL determined Trench Face Processing System is a major modification to Low-Level Burial Grounds.

Corrective Actions – Propose tailored approach to DOE-STD-1189 (December 2010). Document impacts of agreed-to approach in letter to RL (January 2010).

Status – Additional documents are required and potential 6-month schedule impact due to required RL review durations.

RL-0030 Soil & Groundwater Remediation Project

Issue – Cultural reviews are impacting well locations, decommissioning and planning documents.

Corrective Action – Project initiated drilling on the non-sensitive area within each respective drilling campaign.

Status – Impact is building of roads and pads to the culturally sensitive area and subsequent well drilling efforts.

Issue – Well decommissioning ARRA metrics are not being achieved.

Corrective Action – Project plans to recover for this fiscal year by supplementing 20 additional wells for decommissioning.

Status – Regulators and Operable Unit leads are very reticent to relinquish old wells for decommissioning until after the RI/FS decisions are completed. Currently have 190 wells approved for decommissioning. Continuing to work the issue with RL.

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

Issue Statement – Determination of a disposition path for the D-10 tank in Cell 30 has potential for major impact on the U Canyon disposition schedule.

Corrective Action – CHPRC is working to define an alternate disposition path.

Status – Parallel activities of equipment placement continue.

Issue Statement – Delays in procurement of super dump trucks for shipping waste to ERDF are impacting Waste Site Remediation in the Outer Zone. A change in direction was received to require all equipment to be purchased by MSA that has delayed procurement of these vehicles.

Corrective Action – CHPRC is working closely with MSA on priorities and procurement of equipment.

Status – The super dump trucks have been ordered and are scheduled to arrive through January with the last truck being placed into service by mid-February. Once the trucks are in service, the production rate will be evaluated and timeline will be developed for recovery of the schedule.

RL-0041 Nuclear Facility D&D, River Corridor

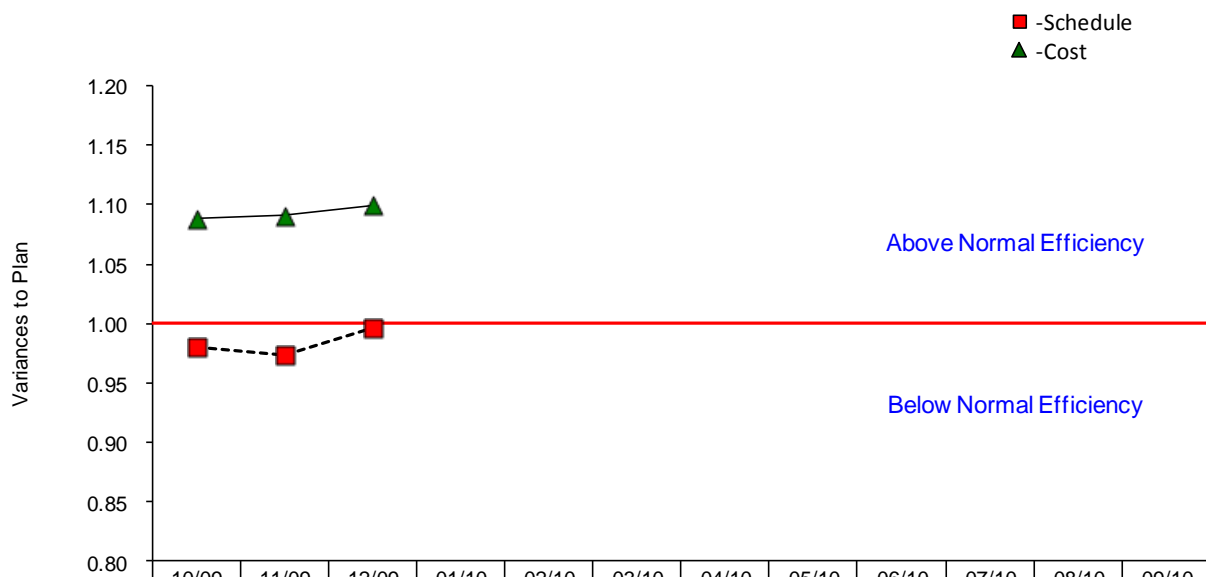
Issue Statement – Due to contamination levels in the soil associated with UPR-100-K-1/100-K-42, overall waste quantities will exceed the original project assumptions. Progress is less than anticipated due to additional radiological control requirements.

Corrective Action – A recovery plan will be prepared to analyze how much of the existing variance can be improved.

Status – A recovery plan is under development. With the scabbling and floor removal activity scheduled to be initiated in February, production rates should gradually increase with the removal of that source term. Preliminary samples are being taken at depth to clarify the overall nature and extent of contamination and to bind the excavation requires support the development of the BCR and recovery plan.

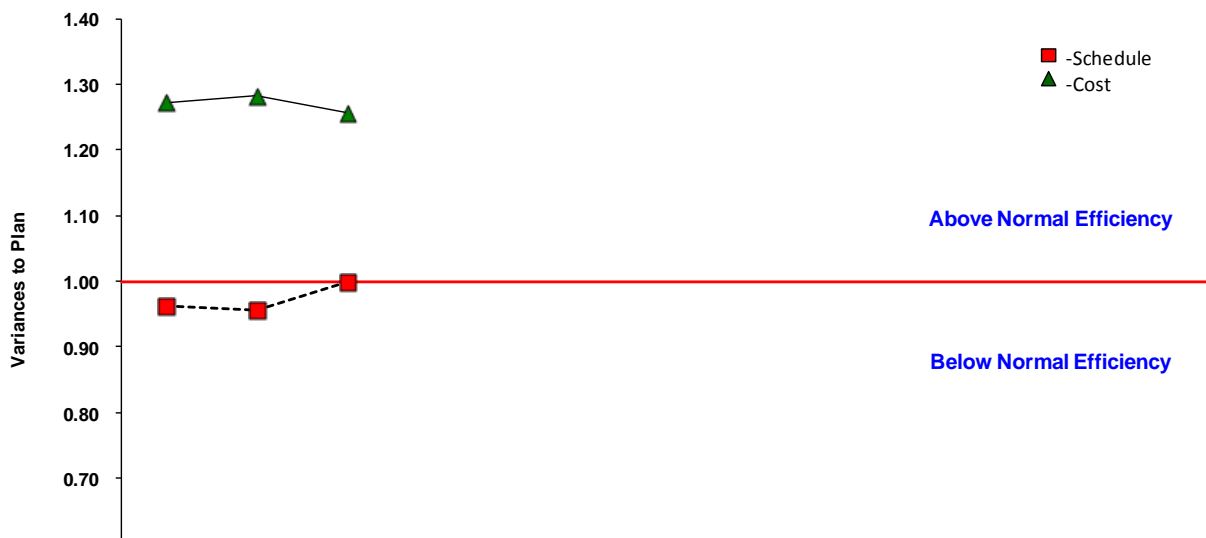
EARNED VALUE MANAGEMENT

Schedule and Cost Performance Indices



	10/09	11/09	12/09	01/10	02/10	03/10	04/10	05/10	06/10	07/10	08/10	09/10
MONTHLY SPI	0.91	0.91	1.29									
MONTHLY CPI	1.12	1.12	1.20									
■ CTD SPI (Cum.)	0.98	0.97	1.00									
▲ CTD CPI (Cum.)	1.09	1.09	1.10									

Schedule and Cost Performance Indices - ARRA

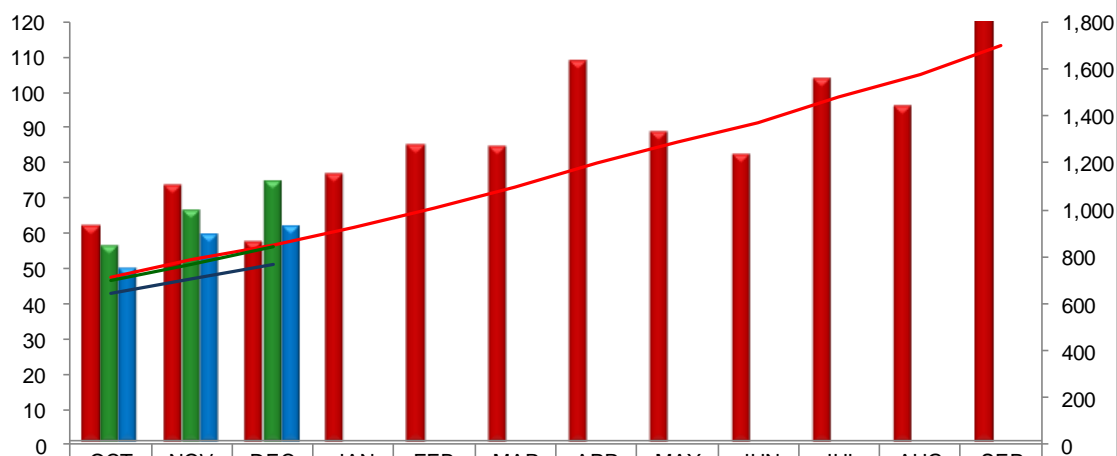


	10/09	11/09	12/09	01/10	02/10	03/10	04/10	05/10	06/10	07/10	08/10	09/10
MONTHLY SPI	0.92	0.93	1.39									
MONTHLY CPI	1.40	1.33	1.12									
■ CTD SPI (Cum.)	0.96	0.96	1.00									
▲ CTD CPI (Cum.)	1.27	1.28	1.26									

Schedule and Cost Performance

Bars: Current Month (\$M)

Lines: Contract To Date (\$M)

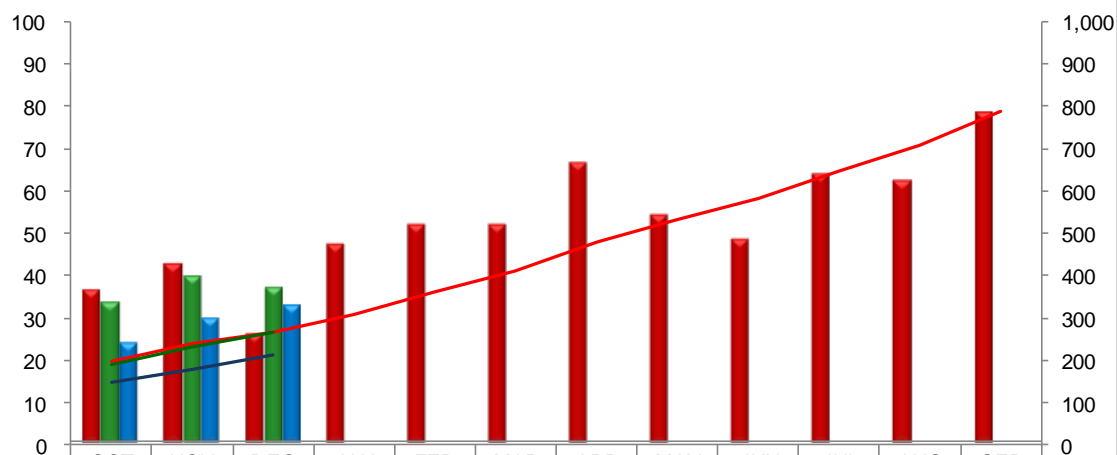


	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MONTHLY BCWS	62.1	73.4	57.7	77.0	84.9	84.8	108.8	88.9	82.1	103.8	96.2	129.4
MONTHLY BCWP	56.4	66.6	74.7									
MONTHLY ACWP	50.3	59.6	62.1									
CUMULATIVE BCWS	715.5	788.9	846.7	923.6	1,008.6	1,093.4	1,202.2	1,291.0	1,373.2	1,477.0	1,573.2	1,702.6
CTD BCWP	701.8	768.4	843.1									
CTD ACWP	644.8	704.4	766.5									

Schedule and Cost Performance - ARRA

Bars: Current Month (\$M)

Lines: Contract To Date (\$M)



	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MONTHLY BCWS	36.7	42.9	26.6	47.5	52.2	52.0	66.4	54.4	48.8	64.0	62.4	78.3
MONTHLY BCWP	33.9	39.9	37.1									
MONTHLY ACWP	24.3	30.0	33.1									
CUMULATIVE BCWS	198.2	241.1	267.7	307.7	359.9	411.9	478.3	532.7	581.5	645.4	707.8	786.1
CTD BCWP	190.8	230.7	267.8									
CTD ACWP	150.0	179.9	213.1									

Performance Analysis – December

ARRA Performance by PBS (\$M)

	Current Period				
	Budgeted Cost		Actual Cost	Variance	
	BCWS	BCWP	ACWP	Schedule	Cost
RL-0011 - PFP D&D	3.2	7.4	7.0	4.2	0.5
RL-0013 - MLLW Treatment	1.0	3.8	3.0	2.8	0.7
RL-0013 - TRU Waste	7.3	7.7	7.2	0.4	0.5
RL-0030 - Soil and Groundwater	6.1	5.4	3.6	(0.8)	1.7
RL-0040 - U Plant/Other D&D	8.1	7.4	5.7	(0.6)	1.7
RL-0040 - Outer Zone D&D	2.4	1.3	2.0	(1.1)	(0.7)
RL-0041 - 100K Area Remediation	(1.5)	4.0	4.6	5.6	(0.5)
Subtotal	26.6	37.1	33.1	10.4	3.9
Fee			1.0		
Total			34.1		

ARRA

The favorable schedule variance (+\$10.4M/+39.3%) reflects the implementation of AWA-PRC-10-017:

- WBS 041 (+\$5.6M) variance is primarily due to Utilities Reroutes (+\$3.0M), 105KE Reactor Disposition (+\$1.4M) on delayed Site Preparation and obstruction removal, Waste Sites (+\$0.7M) revised earned values methods, and Facilities (+\$0.6M) for characterization sampling delays in preparation for D4.
- WBS 011 (+\$4.2M) positive variance is largely due to realignment of D&D work scope to support start of field work due to nationwide impact associated with Radiological Controls Technician shortage.
- WBS 013 (+\$3.2M) positive variance is primarily attributable to the Environmental Remediation Disposal Facility (ERDF) schedule adjustment to align to expected receipt of transports, containers, and the construction of the maintenance facility.
- WBS 040 (-\$1.7M) negative variance is due to the rate of progress being made on the BC Control Area (-\$0.9M) due to delays with the procurement of additional super dump trucks and approval of cultural reviews for the model group one (MG-1) waste sites. In addition, the procurement of several capital equipment (-\$0.8M) items has been delayed for D4 project.
- WBS 030 (-\$0.8M) is within reporting thresholds and reflects:
 - (-\$2.4M) 100-HR-3 Operable Unit workscope was realigned to reflect the planned execution of the DX procurement and construction activities. No impact to total contract cost.
 - (-\$0.4M) Implemented RL direction to change existing ARRA workscope to Base workscope. No impact to overall total contract cost.
 - (+\$1.2M) 200-ZP-1 Operable Unit workscope was realigned to reflect the planned execution of long lead procurements and construction activities including, sample collection and analysis for

the six new extraction wells and re-alignment of ARRA 200W P&T design and construction schedule activities.

- (+\$0.6M) Incorporated finalized scope into the schedule and budget for the S&GRP and EPC shop buildings and site work/mobile office installation. Additionally, work on the preliminary site work and installation of mobile offices has been completed ahead of the current linear spread of BCWS.
- (+\$0.3M) Efficiencies obtained in the well drilling contract for 100-HR-3. These efficiencies allowed completion of six wells in December when four were planned. Total depth and screen length requirements for these wells are not as robust as previous wells.

The favorable Cost Variance (+\$3.9M/+10.6%) reflects the implementation of AWA-PRC-10-017:

- WBS 030 (+\$1.7M) primary contributors to the positive variance are as follows:
 - (+\$0.6M) Efficiencies were obtained in the following areas: contractor mobilization and well drilling for 100-NR-2 wells as well as nominal cost expended for roads and pads. Further efficiencies are expected in well drilling due to faster drilling method being utilized, however the project is expected to incur additional road improvement cost in the near future.
 - (+\$0.5M) 100 HR-3 Operable Unit had previously submitted accruals that were erroneous overstated. The reversal in the December caused the current month positive cost variance. No impact to overall contract EAC.
 - (+\$0.5M) Due to the PRC accounting practice of distributing cost based on the Project's actual cost.
- WBS 013 (+\$1.3M) positive variance is primarily due to the recovery of ERDF schedule without commensurate cost increases resulting in reduced costs.
- WBS 040 (+\$1.0M) positive variance is partially due to U Ancillary Project (D4) (\$1.6M) and is offset by waste sites (WS) (\$-0.6M) related to increased depth of excavation on BC Control Area and reduced efficiency in this area pending delivery of additional super dump trucks in January.
- WBS 011 and WBS 041(+ \$0.0M) are within reporting thresholds.

Base Performance by PBS (\$M)

	Current Period				
	Budgeted Cost		Actual Cost ACWP	Variance	
	BCWS	BCWP		Schedule	Cost
RL-0011 - Nuclear Mat Stab & Disp PFP	5.7	7.4	4.0	1.7	3.3
RL-0012 - SNF Stabilization & Disp	5.7	5.3	6.2	(0.4)	(0.9)
RL-0013 - Solid Waste Stab & Disp	6.0	6.8	8.0	0.8	(1.2)
RL-0030 - Soil & Water Rem-Grndwtr/Vadose	9.6	13.8	8.7	4.3	5.1
RL-0040 - Nuc Fac D&D - Remainder Hanfrd	2.1	2.0	1.1	(0.1)	0.9
RL-0041 - Nuc Fac D&D - RC Closure Proj	2.0	2.2	0.9	0.3	1.4
RL-0042 - Nuc Fac D&D - FFTF Proj	0.1	0.1	0.1	0.0	0.0
Subtotal	31.1	37.7	29.0	6.5	8.6
Fee			1.4		
Total			30.5		

Base

The favorable Schedule Variance (+\$6.5M/21.0%) reflects the implementation of AWA-PRC-10-017:

- RL-0030 (+\$4.3M) positive and negative variances include:
 - (+\$1.4M) workscope in 100-KR-4 OU was realigned to reflect the planned execution of Bioremediation and Phase 2 equipment/material installation activities. This adjustment has no impact on the overall project cost.
 - (+\$0.8M) positive variance is primarily due to completion of 200W Area P&T design and construction scope that was previously behind schedule and implementation of AWA-PRC-10-017 which reflects RL direction to change existing ARRA workscope to Base workscope. This workscope included Reporting and Decision Documentation, Performance Monitoring Plans, sample collection and analysis for the six new extraction wells.
 - (+\$0.5M) the workscope in 100 HR-3 Operable Unit was realigned to reflect the planned execution of HR-3 activities. No impact to total contract cost.
 - (+\$0.4M) workscope was realigned to reflect the planned execution of well drilling activities. This point adjustment has no impact on the overall project cost.
 - (+\$0.4M) the Jet Grouting Pilot Test and the Gallery Pilot Test work scope in 100 NR-2 Operable Unit was re-planned. No impact to overall project is projected.
- RL-0011 (+\$1.7M) positive variance is largely due to realignment of D&D work scope to support start of field work due to nationwide impact associated with Radiological Controls Technician shortage. Beginning in January, PFP performance will reflect an on schedule or ahead of schedule status.
- RL-0013 (+\$0.8M) positive variance is primarily due to an adjustment in TRU Retrieval associated with a realignment for higher confidence delivery schedules coupled with recovery of SNF Disposition schedule activities.
- RL-0040, RL-0041 and RL-0042 variances (+\$0.2M) are within reporting thresholds.

- RL-0012 (-\$0.4M) variance is within reporting thresholds caused by the STP negative variance (-\$0.4M) is due to the BCWS for the KOP work scope that was completed in FY 2009 is now catching up, creating a negative schedule variance in both the KOP Phase 4 activities and the KOP design activities (-\$0.6M); offset by the performance taken for the completion of the PNNL analysis report on EC-SCS-CON-240, 250, 260, and 220 (+\$0.2M)

The favorable Cost Variance (+\$8.6M/+22.9%) reflects the implementation of AWA-PRC-10-017:

- RL-0030 (+\$5.1M) the following positive and negative variances are due to:
 - (+\$1.7M) the 100-HR-3 Operable Unit workscope was realigned to reflect the planned execution of HR-3 activities. No impact to total contract cost.
 - (+\$0.9M) the Regulatory Decision/Closure positive variance is primarily due to the following: This AWA implemented RL direction to change existing ARRA workscope to Base workscope. In addition, efficiencies were obtained in multi-incremental sampling, drilling of the 216-1 borehole, and removal action document preparation. No impact to total contract cost.
 - (+\$0.8M) the 200 ZP-1 Operable Unit positive variance is primarily due to the following factors: 1) Implementation of AWA-PRC-10-017 which reflects RL direction to change existing ARRA workscope to Base workscope, resulting in an increase of BCWS and BCWP and no increase to ACWP. This workscope included Reporting and Decision Documentation, Performance Monitoring Plans, sample collection and analysis for the six new extraction wells. 2) Reflects correction of road crossing construction costs from a Base to ARRA CACN. These changes have no overall impact on total project cost.
 - (+\$0.6M) the 300 FF-5 Operable Unit current month underrun resulted from accrual reversals for November accruals which were over estimated. PNNL has committed to send preliminary accrual input to allow CH overview prior to closure of accrual system each month.
 - (+\$0.5M) the 100 KR-4 OU positive variance is a result of: 1) Efficiencies obtained with LOE accounts for Operations and Maintenance, and 2) Implementation of AWA-PRC-10-017 into the performance measurement baseline which allowed some of the Phase 2 equipment/material installation effort that had been performed during October and November to be earned in December. It is anticipated that efficiencies in the Operations and Maintenance accounts will continue.
 - (+\$0.3M) work scope was realigned to reflect the planned execution and resource requirements. This realignment created a current month point adjustment in labor (increase in BCWS) resulting in current month positive cost variance; and 2) contracts were under accrued in December. The accruals will be corrected in January.
- RL-0011 (+\$3.3M) positive variance is due to point adjustments including budget added and performance earned for the first three months of the fiscal year for MinSafe Operations. In addition, G&A under-run, and re-planning PRF to align with the new remote handling approach and the recent bottoms-up estimate developed for the 242-Z work scope are also contributing to this variance.
- RL-0041 (+\$1.3M) positive variance is primarily due to 105KE Reactor Disposition (+\$2.3M) having not incurred Site Preparation and Obstruction Removal costs, offset by Project Management (-\$0.5M) for which the FY 2010 budget was eliminated (moved to ARRA) as part of the AWA.
- RL-0040 (+\$0.9M) the positive variance is due to a point adjustment.
- RL-0042 (+\$0.1M) variance is within reporting thresholds.
- RL-0013 (-\$1.2M) negative variance is attributable to personnel charging to Min Safe Operations rather than to TRU Characterization, T Plant and WRAP. Corrections are planned for January.

- RL-0012 (-\$0.9M) negative variance is primarily due to the 100K Area (+\$0.3M) adjustment, offset by the STP variance (-\$0.7M) due to: 1) cost of PNNL to complete the analysis report and the accrual adjustment from the previous month (-\$0.6M) and 2) additional cost to procure a second backup pump for the Settler Tank Retrieval system (original backup now in operation, when first pump failed) (-\$0.1M), and the Project Services & Support negative variance (-\$0.5M).

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	66.5	66.8	55.4	0.3	11.3	255.5	239.3	16.2
RL-0013 - MLLW Treatment	15.0	16.9	13.3	1.9	3.6	50.5	47.3	3.2
RL-0013 - TRU Waste	36.1	35.9	36.5	(0.3)	(0.6)	247.5	249.0	(1.5)
RL-0030 - Soil and Groundwater	25.9	30.5	23.0	4.5	7.5	204.3	203.4	0.9
RL-0040 - U Plant/Other D&D	64.8	64.5	49.8	(0.4)	14.6	207.5	189.7	17.8
RL-0040 - Outer Zone D&D	15.9	11.3	8.0	(4.6)	3.3	74.8	74.7	0.1
RL-0041 - 100K Area Remediation	43.5	42.0	27.0	(1.4)	15.0	221.5	211.1	10.4
Subtotal	267.7	267.8	213.1	0.0	54.7	1,261.5	1,214.5	47.0
Management Reserve						19.8		
Fee			24.6			72.5		
Total			237.7			1,353.8		

ARRA

The CTD Schedule Variance (+\$0.0M/+0.0%) is within reporting thresholds and reflects:

- WBS 040 (-\$4.9M) negative variance is being caused by slower than planned progress for the U Canyon Project (D4) (-\$1.4M) which has caused the canyon deck clearing to fall behind schedule as well as starting the design of the grouting system; delays in the delivery of super dump trucks for handling waste, weather delays and initial startup learning curves for BC Control area (-\$3.9M). In addition, review and approval of cultural reviews for the Model Group (MG)-1 (-\$0.2M) waste sites have delayed field sampling on four sites. These are partially offset by the early procurement of D&D capital equipment (+\$0.6M). The U Canyon baseline will be addressed as part of the January implementation of the PMB Rev. 2. Schedule gain has been made in the CW-3 waste sites due to the smaller volume of soil required to be removed from 216-N-1 waste sites. The super dump trucks are scheduled for delivery in early January.
- WBS 011 and WBS 041 variances (-\$1.1M) are within reporting thresholds.
- WBS 030 (+\$4.5M) positive variance is due to the 100-HR-3 Operable Unit (+\$4.2M) acceleration of procurement and construction for DX. With the implementation of AWA-PRC-10-017 workscope was scheduled to start at the beginning of FY-10. However, a significant amount of work had already been performed in FY-09 and that workscope is representative of the CTD positive schedule variance.

- WBS 013 (+\$1.6M) positive variance is primarily due to the acceleration of FY 2010 MLLW treatment and TRU Repackaging activities, partially offset by delays in ERDF self perform procurements.

The CTD favorable Cost Variance (+\$54.7M/+20.4%) reflects:

- WBS 040 (+\$17.9M) favorable variance is largely due to favorable performance of the cold and dark teams and the sampling and characterization (WIF) teams (D4) (+\$3.0M); G&A and Direct Distributable allocations (+\$6.0M); less staff and subcontractors for the Outer Zone waste sites; efficiencies in demolition and sampling activities, particularly at 212-N, -P and -R (D4), and 200-CW-3 (+\$0.7M) waste sites; efficiencies at U-Canyon (D4) (+\$3.8M); lower than planned costs for capital equipment (D4) (+\$1.6M) 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) (-\$1.0M), coupled with increased insulator staff and overtime to recover schedule. In the waste sites area (+\$3.8M), efficiencies in mobilization gained by changing to direct haul to ERDF, which reduced costs and environmental impacts associated with construction of a container transfer area, aerial surveying performed on the B Zone resulted in 18% of the area being found to be “clean” and requiring no further remediation, the simplest, least costly sites among the MG-1 sites have been completed resulting in lower than modeled costs and sample analysis costs have been lower than planned.
- WBS 041 (+\$15.0M) Above average efficiency in work performance achieved, with the main contributors being: General and Administrative/ Project Services Distribution/Direct Distributables (+\$7.5), Facility characterization (+\$2.8M) in preparation for D4; K West Deactivation (+\$2.1M) for the debris removal campaign, 105KE Reactor (+\$1.4M) for Site Preparation and Obstruction Removal, Utilities Reroutes (+\$0.7M) where subcontracts are in process, and Waste Site Remediation (+\$0.7M) for additional radiation control requirements.
- WBS 011 (+\$11.3M) positive variance is primarily due to overhead allocations (i.e., Project Services Distribution, G&A, and Direct Distributables). The project is experiencing a labor rate under-run, which contributes \$2M to the positive variance. This is due to overstatement of D&D resources for cross-cutting support, and MSA-supplied craft budgeted as labor and costed as subcontract. Delayed procurement of waste containers, metal pallets and NDA support material/equipment, delay in receiving costs associated with waste disposition, and delayed subcontract cost associated with demolition dispersion and air modeling are also contributing to this cost variance. PFP is currently working closely with RL to evaluate funding two additional sub-projects with ARRA funds to fully utilize the past under-runs, and will offset the large forecasted year-end positive spending variance projected for Fiscal Year 2010.
- WBS 030 (+\$7.5M) various contributors to the positive variance are:
 - (+\$1.5M) Efficiencies obtained in drilling for 100-NR-2 and 100-HR-3 wells. Cost efficiencies are being obtained through an aggressive drilling schedule with savings in support personnel, faster drilling methods and the fact that the HR-3 well depths have been less than originally planned. Efficiencies in NR-2 and HR-3 are expected to continue resulting in additional positive cost variance.
 - (+\$2.1M) 100-HR-3 Operable Unit efficiencies experienced on DX construction. HR-3 pump and treat operations also contributed to the underrun.
 - (+\$1.7M) Regulatory Decision & Closure Integration completing work scope more efficiently than planned, especially in the areas of multi-incremental sampling, borehole drilling, landfill characterization, and document preparation. Funds will be available to support other activities.

- (+\$1.9M) Due to the PRC accounting practice of distributing cost based on the Project's actual cost.
- WBS 013 (+\$3.0M) positive variance is primarily attributable to efficiencies in MLLW 435.1 Compliance waste disposal activities due to direct disposal vs. planned treatment. This is partially offset by additional allocation for Ramp Up and Transition associated with increased ARRA spending within the PBS. Additionally, TRU Repackaging continues to experience efficiencies; partially offset by TRU Retrieval project's incurrence of cost while unable to make planned progress due to significantly deteriorated boxes, resolving the 85-gallon Overpack issues, a respirator failure and associated recovery actions, and weather impacts.

Base Performance by PBS (\$M)

	Contract to Date					Contract Period		
	Budgeted Cost		Actual Cost	Variance		BAC	EAC	Variance
	BCWS	BCWP	ACWP	Schedule	Cost			
RL-0011 - Nuclear Mat Stab & Disp PFP	88.3	88.4	87.2	0.0	1.2	395.0	391.2	3.8
RL-0012 - SNF Stabilization & Disp	113.6	114.4	115.3	0.7	(1.0)	565.8	569.2	(3.4)
RL-0013 - Solid Waste Stab & Disp	169.9	166.9	161.2	(3.0)	5.7	1,548.8	1,543.0	5.8
RL-0030 - Soil & Water Rem-Grndwtr/Vadose	149.7	150.0	139.8	0.3	10.3	1,188.5	1,180.9	7.6
RL-0040 - Nuc Fac D&D - Remainder Hanfrd	36.9	35.4	30.7	(1.5)	4.6	1,011.8	1,005.2	6.6
RL-0041 - Nuc Fac D&D - RC Closure Proj	11.6	11.4	10.9	(0.1)	0.6	328.3	328.4	(0.1)
RL-0042 - Nuc Fac D&D - FFTF Proj	8.9	8.9	8.4	0.0	0.5	24.8	24.1	0.6
Subtotal	579.0	575.4	553.5	(3.6)	21.9	5,063.1	5,042.1	21.0
Management Reserve						164.2		
Fee			27.5			229.7		
Total			581.0			5,456.9		

Base

The unfavorable Schedule Variance (-\$3.6M/-0.6%) is within reporting thresholds and reflects:

- RL-0013 (-\$2.9M) negative variance is primarily attributable to delays in next Generation TRU Retrieval procurements, Large/RH package capabilities, ETF fine filter upgrades and returns of W5 waste.
- RL-0040 (-\$1.5M) negative variance is due to the delayed start of the Cell 30 design (D4).
- RL-0011, RL-0012, RL-0030, RL-0041 and RL-0042 variances (+\$1.0M) are within reporting thresholds.

The favorable Cost Variance (+\$21.9M/+3.8%) is within reporting thresholds and reflects:

- RL-0030 (+\$10.3M) primary contributors to the positive variance that exceed reporting thresholds are as follows:
 - (+\$1.1M) Integration and Assessments underrun can be primarily attributed three control accounts: Remediation Science and Technology is under budget for the (level of effort) horizontal drilling initiative contract - award was delayed resulting in a CTD cost underrun; Systematic Planning Integration has achieved efficiencies and used less subcontract resources than planned; and Sample Management and Reporting activities are being performed for less labor than planned Horizontal drilling is now taking place and this portion of the cost variance

will be eliminated over the coming months. Other efficiencies that have been achieved in Systematic Planning Integration and Sample Management and Reporting are expected to continue.

- (+\$1.0M) primarily due to the following: 1) PRC Transition cost in FY-09 was significantly less than planned and 2) labor underruns in FY-10. Labor underruns are being reviewed as a potential source for funds management within the project.
- (+\$0.8M) efficiencies resulting in underruns in material and contract costs in the operations and maintenance control account. It is anticipated that with the expected RL-30 support cost growth during the remainder of the FY that this underrun will slow or reverse by fiscal year end.
- (-\$1.3M) GW Monitoring & Performance Assessments overruns are primarily due to FY-09 WSCF cost that was higher than planned and have been handled through funds management within the project.
- (+\$1.4M) efficiencies in 100-KR-4 OU obtained with the KR-4 Operations and Maintenance accounts, which are expected to continue throughout the fiscal year. There was also an under accrual of some Phase 2 work that will be corrected in January.
- (+\$1.1M) in 100-NR-2 OU resulted from performing chemical treatment & maintenance scope and RI/FS Work Plan and Interim Proposed Plan Reporting more efficiently than planned. It is anticipated that this underrun can be funds managed for other project scope.
- (+\$1.1M) efficiencies experienced in 100-HR-3 Operable Unit including project management, CERCLA process implementation, operations and maintenance, and field study deployments.
- (+\$1.5M) The 200-ZP-1 Operable Unit variance is largely the result of the following factors: 1) Within the Interim Operations Control Account significant progress and cost underruns have been achieved to date for Annual System Calibration. 2) The design of the permanent hookup of well EW-1 (C7017) was lower than planned as we were able to make minor changes to an existing design. 3) Cost for performing general operating and maintenance and minor modification activities have been lower than planned as the system has been running smoothly. and 4) Efficiencies to-date pertaining to design/construction of the 200W Area P&T, primarily in the areas of RD/RA Work Plan preparation, construction of the Aquifer Test System as well as Aquifer Testing and BOP design preparation. This positive cost variance is expected to be available for funds management within other areas of the project.
- (+\$1.4M) The Regulatory Decision & Closure Integration variance is due to completing work scope more efficiently than planned, especially in the areas of multi-incremental sampling, borehole drilling, landfill characterization, and document preparation. Funds will be available to support other activities.
- (+\$1.3M) Due to the PRC accounting practice of distributing cost based on the Project's actual cost.
- RL-0013 (+\$5.7M) positive variance is primarily attributable to efficiencies in MLLW Treatment, Liquid Effluents, Slightly Irradiated Fuel, CCP Support, SWOC facilities, and Project Management coupled with a labor rate reduction (continuity of service). This is partially offset by increased cost for TRU Retrieval activities associated with significantly deteriorated containers and resolution of the 85-gallon drum Overpack issues.
- RL-0040 (+\$4.6M) positive variance is associated with recognized efficiencies for demolition of the Industrial 7 Project (D4) (+\$0.6M) as a result of utilization of existing site equipment and materials; surveillance and maintenance costs (D4) (+\$0.6M) less than expected; completed the sampling of Cell 30 with less resources than planned (+\$1.0M), and under-run in G&A and Direct Distributable allocations (+\$2.4M).

- RL-0011 (+\$1.2M) positive variance is a result of efficiencies recognized due to completion of the Special Nuclear Material (SNM) De-Inventory work effort earlier than planned, allowing early work efforts on the Deactivation and Decommissioning (D&D) of the 2736-Z/ZB vaults, recognized efficiencies to support the maintenance and operation of the PFP facility in a safe and compliant manner, and a labor rate under-run. This is off-set by crane and rigging costs associated with the disposition of the Un-Irradiated and Slightly Irradiated Fuel, extra entries being made to reactivate the PRF canyon crane as higher electrical deficiencies were found, the use of overtime to recover schedule for the West Gallery glove box cleanout, and higher than planned overhead allocations (i.e., Project Services Distribution, G&A, and Direct Distributables).
- RL-0012, RL-0041 and RL-0042 variances (+\$0.1M) are within reporting thresholds.

FUNDING ANALYSIS

FY 2010 Funds vs. Spending Forecast (\$M)

PBS	Project	FY 2010		Variance
		Base line Funding	Spending Forecast	
RL-0011	Nuclear Materials Stabilization and Disposition	124.7	106.5	18.2
RL-0013	Waste and Fuels Management Project	143.9	142.0	1.8
RL-0030	Soil, Groundwater and Vadose Zone Remediation	149.8	145.6	4.2
RL-0040	Nuclear Facility D&D, Remainder of Hanford	157.9	128.1	29.8
RL-0041	Nuclear Facility D&D, River Corridor	131.0	115.8	15.3
Total ARRA:		707.3	638.0	69.3
RL-0011	Nuclear Materials Stabilization and Disposition	57.1	65.3	(8.3)
RL-0012	Spent Nuclear Fuel Stabilization and Disposition	86.8	76.5	10.3
RL-0013	Waste and Fuels Management Project	108.7	96.6	12.1
RL-0030	Soil, Groundwater and Vadose Zone Remediation	177.4	154.8	22.6
RL-0040	Nuclear Facility D&D, Remainder of Hanford	25.4	21.0	4.4
RL-0041	Nuclear Facility D&D, River Corridor	20.9	17.5	3.3
RL-0042	Fast Flux Test Facility Closure	2.5	1.2	1.3
Total Base:		478.7	433.0	45.7
Combined ARRA/Base Total:		1,186.0	1,070.9	115.0

The negative variance in RL-0011 Base (-\$8.3M) reflects a newly planned approach in the Plutonium Reclamation Facility (PRF) and continuing min-safe operations in the 2736Z/ZB vaults until the facility is demolition ready in the first quarter of FY 2011. Funds management coupled with efficiencies from implementation of the new approach in PRF will mitigate the variance pending further discussion with RL.

BASELINE CHANGE REQUESTS

In December 2009, CHPRC approved and implemented two (2) baseline changes requests. One is administrative in nature and did not change scope, budget, management reserve or fee. The other change request is an advanced work authorization, specifically, AWA-PRC-10-017, "Initial Implementation of DOE Comments on the PRC Baseline, Revision 1". This advanced work authorization was issued for two primary reasons: (1) implement changes to the performance measurement baseline (PMB) as early as possible associated with major work scope changes directed by RL, such as revised reactor schedule and building/waste site re-sequencing in the 100K Project, contract modifications M068 and M080; and, (2) incorporate RL comments on the PRC Baseline, Revision 1, into the earned value management system so that project performance and reporting can be up-to-date taking advantage of RL insights on the baseline as documented in the Conditions for Approval for PRC Baseline Revision 1. No management reserve was used in December 2009 and the advanced work

authorization did not change the life cycle management reserve values. However, the advanced work authorization did add \$302,172K in fee and increased the life cycle budget for the PMB by \$279,787K. See the Format 3 Reports in Appendix A and A-1 for a listing of these specific change requests and the impact on the PMB.

The primary focus in December 2009, and also in January 2010, is incorporation of all RL comments on the PRC Baseline, Revision 1, into the updated PRC Baseline, Revision 2, and the completion of a full-up risk analysis for each project, justifying the assignment of management reserve for the 10-year contract period, by year, to at least a 50 percent confidence level using quantitative risk analysis, consistent with the scope and schedule of PRC Baseline, Revision 2. CHPRC will submit, by January 31, 2010, the updated PRC Baseline, Revision 2, and a complete risk analysis for each project consistent with the revised baseline.

The change to the Contract Budget Price and utilization of Management Reserve as a result of December 2009 baseline change requests implemented into the Earned Value Management System, specifically advanced work authorization AWA-PRC-10-017, are summarized by fiscal year in the tables below (negative number represents reduction):

December 2009 Summary of Changes to Contract Price

	FY 2009	FY 2010	FY 2011	FY 2012	FYs 2009-2013	FYs 2014 - 2018
November 2009 Contract Price						
PMB	653,429.0	973,876.7	890,313.3	718,835.1	3,236,454.1	2,808,343.4
Mgmt Rsrv (MR)	12,359.1	17,398.6	6,023.5	36,757.1	72,538.3	111,395.3
Fee	0.0	0.0	0.0	0.0	0.0	0.0
Total	665,788.1	991,275.3	896,336.8	755,592.2	3,308,992.4	2,919,738.7
Change by Funding Source to Contract Budget Base in December 2009 (2 BCRs)						
PMB						
All ARRA WBSs	0.0	32,048.6	25,177.8	10,862.0	68,088.4	0.0
All Base WBSs	0.0	29,778.6	21,875.0	28,770.7	80,424.3	131,274.0
Change to PMB	0.0	61,827.2	47,052.8	39,632.7	148,512.7	131,274.0
MR						
All ARRA WBSs	0.0	0.0	0.0	0.0	0.0	0.0
All Base WBSs	0.0	0.0	0.0	0.0	0.0	0.0
Change to MR	0.0	0.0	0.0	0.0	0.0	0.0
FEE						
All ARRA WBSs	16,496.0	32,544.3	23,449.6	0.0	72,489.9	0.0
All Base WBSs	23,216.0	17,144.0	25,537.2	37,862.3	103,759.5	125,922.3
Change to Fee	39,712.0	49,688.3	48,986.7	37,862.3	176,249.3	125,922.3
Total Change	39,712.0	111,515.5	96,039.5	77,495.0	324,762.0	257,196.3
December 2009 Contract Price						
PMB	653,429.0	1,035,703.9	937,366.1	758,467.8	3,384,966.8	2,939,617.4
MR	12,359.1	17,398.6	6,023.5	36,757.1	72,538.3	111,395.3
Fee	39,712.0	49,688.3	48,986.7	37,862.3	176,249.3	125,922.3
Total	705,500.1	1,102,790.8	992,376.4	833,087.2	3,633,754.4	3,176,935.0

Utilization of Management Reserve

		FY 2009	FY 2010	FY 2011	FY 2012	FY 2009-2013	FY 2014-2018
Management Reserve (MR) - Beginning December 2009							
ARRA	RL-0011.R1	1,987	1,393	375	0	3,755	0
	RL-0013.R1	0	0	0	0	0	0
	RL-0013.R1.2	1,335	3,399	2,393	0	7,127	0
	RL-0030.R1	526	2,040	341	0	2,907	0
	RL-0040.R1	1,916	3,645	-2,924	0	2,637	0
	RL-0040.R1.2	0	0	0	0	0	0
	RL-0041.R1	1,332	1,451	558	0	3,341	0
	ARRA Total	7,096	11,928	743	0	19,767	0
Base	RL-0011	806	300	319	13,500	19,341	0
	RL-0012	1,487	2,650	2,590	5,000	23,727	15,905
	RL-0013	561	225	214	6,000	14,000	33,865
	RL-0030	1,415	1,120	846	2,059	7,440	7,831
	RL-0040	971	300	295	7,548	12,006	16,094
	RL-0041	0	875	1,018	2,500	5,893	7,045
	RL-0042	22	0	0	150	322	698
	Base Total	5,262	5,470	5,282	36,757	82,729	81,438
	MR Total	12,358	17,398	6,025	36,757	102,496	81,438
Changes to Management Reserve in December 2009							
ARRA	RL-0011.R1	0	0	0	0	0	0
	RL-0013.R1	0	0	0	0	0	0
	RL-0013.R1.2	0	0	0	0	0	0
	RL-0030.R1	0	0	0	0	0	0
	RL-0040.R1	0	0	0	0	0	0
	RL-0040.R1.2	0	0	0	0	0	0
	RL-0041.R1	0	0	0	0	0	0
	ARRA Total	0	0	0	0	0	0
Base	RL-0011	0	0	0	0	0	0
	RL-0012	0	0	0	0	0	0
	RL-0013	0	0	0	0	0	0
	RL-0030	0	0	0	0	0	0
	RL-0040	0	0	0	0	0	0
	RL-0041	0	0	0	0	0	0
	RL-0042	0	0	0	0	0	0
	Base Total	0	0	0	0	0	0
	Change to MR Total	0	0	0	0	0	0
Management Reserve - End of December 2009							
ARRA	RL-0011.R1	1,987	1,393	375	0	3,755	0
	RL-0013.R1	0	0	0	0	0	0
	RL-0013.R1.2	1,335	3,399	2,393	0	7,127	0
	RL-0030.R1	526	2,040	341	0	2,907	0
	RL-0040.R1	1,916	3,645	-2,924	0	2,637	0
	RL-0040.R1.2	0	0	0	0	0	0
	RL-0041.R1	1,332	1,451	558	0	3,341	0
	ARRA Total	7,096	11,928	743	0	19,767	0
Base	RL-0011	806	300	319	13,500	19,341	0
	RL-0012	1,487	2,650	2,590	5,000	23,727	15,905
	RL-0013	561	225	214	6,000	14,000	33,865
	RL-0030	1,415	1,120	846	2,059	7,440	7,831
	RL-0040	971	300	295	7,548	12,006	16,094
	RL-0041	0	875	1,018	2,500	5,893	7,045
	RL-0042	22	0	0	150	322	698
	Base Total	5,262	5,470	5,282	36,757	82,729	81,438
	MR Total	12,358	17,398	6,025	36,757	102,496	81,438

SELF-PERFORMED WORK

Business structure information documents ongoing compliance with the requirements of the Section H.20 clause entitled *Self-Performed Work*. CHPRC expects percentages for small business to increase as the year progresses.

Contract-to-Date Actual Awards & Mods							Projection through FY18		
10/01/08 thru 12/31/09							Planned Subcontracting*	\$2,524,483,195	
Contracts + Purchase Orders + Pcard							Contract-to-Date Awards =	\$892,618,823	
Reporting Classification	ARRA		Non-ARRA		Total	Percent of Total	Goal	Balance Remaining to Award =	\$1,631,864,372
	(\$)	%	(\$)	%	(\$)		(%)	Goal Award (\$)	Bal. to Goal (\$)
SB	\$176,171,196	63.65%	\$272,632,668	44.27%	\$448,803,864	50.28%	49.30%	\$1,244,570,215	\$795,766,351
SDB	\$37,645,382	13.60%	\$43,022,975	6.99%	\$80,668,357	9.04%	8.20%	\$207,007,622	\$126,339,265
SWOB	\$39,713,754	14.35%	\$53,228,628	8.64%	\$92,942,382	10.41%	6.50%	\$164,091,408	\$71,149,026
HUB	\$2,819,512	1.02%	\$9,377,154	1.52%	\$12,196,666	1.37%	3.20%	\$80,783,462	\$68,586,796
VOSB	\$32,429,489	11.72%	\$18,262,492	2.97%	\$50,691,981	5.68%	2.00%	\$50,489,664	(\$202,317)
SDVO	\$2,034,226	0.73%	\$2,941,118	0.48%	\$4,975,344	0.56%	2.00%	\$50,489,664	\$45,514,320
NAB	\$1,774,045	0.64%	\$2,925,173	0.47%	\$4,699,218	0.53%	0.00%	*10-year subcontracting projection <u>PRC clause H.20 small business (SB) requirement</u> ≥17% of Total Contract Price performed by SB Total Contract Price: \$4,515,556,411 17% requirement: \$767,644,590 Awarded: \$448,803,864 Balance to Requirement: \$318,840,726	
Large	\$56,251,279	20.32%	\$227,995,510	37.02%	\$284,246,789	31.84%	0.00%		
GOVT	\$8,735	0.00%	\$598,813	0.10%	\$607,548	0.07%	0.00%		
GOVT CONT	\$44,329,954	16.02%	\$113,531,574	18.44%	\$157,861,528	17.69%	0.00%		
EDUC	\$25	0.00%	\$18,611	0.00%	\$18,636	0.00%	0.00%		
NONPROFIT	\$22,718	0.01%	\$999,820	0.16%	\$1,022,538	0.11%	0.00%		
FOREIGN	\$0	0.00%	\$57,919	0.01%	\$57,919	0.01%	0.00%		
Total	\$276,783,907		\$615,834,916		\$892,618,823				

Notes:

1. Performance in FY 2010 continues to exceed goals in the Small Business, Disadvantaged Business and Woman Owned and Veteran Owned categories. As a result, contract-to-date percentages in those categories continue to exceed the full-term contract goals.
2. Over 50% of awards have been made to small businesses with over 63% of ARRA awards to small businesses.
3. Over 95% of the total dollars arise from service and staffing Contracts and Contract amendments with 3.1% of the dollars arising from P-card purchases and 1.85% are 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 (WMBE 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 (CBFO).	Ongoing