

CONTENTS

EXECUTIVE SUMMARY.....	2
TARGET ZERO PERFORMANCE.....	4
PROGRAM SUMMARIES.....	5
PROJECT SUMMARIES.....	11
KEY ACCOMPLISHMENTS.....	16
MAJOR ISSUES.....	21
EARNED VALUE MANAGEMENT.....	23
FUNDING ANALYSIS.....	36
BASELINE CHANGE REQUESTS.....	37
SELF-PERFORMED WORK.....	45
GOVERNMENT FURNISHED SERVICES AND INFORMATION.....	45

PROJECT BASELINE SUMMARY SECTIONS

Section A – Nuclear Materials Stabilization and Disposition of PFP (RL-0011).....	A
Section B – Spent Nuclear Fuel Stabilization and Disposition (RL-0012).....	B
Section C – Solid Waste Stabilization and Disposition (RL-0013).....	C
Section D – Soil and Groundwater Remediation Project (RL-0030).....	D
Section E – Nuclear Facility D&D, Remainder of Hanford (RL-0040).....	E
Section F – Nuclear Facility D&D, River Corridor (RL-0041).....	F
Section G – FFTF Closure (RL-0042).....	G

APPENDICES

Appendix A – Contract Performance Reports
Appendix A-1 – Contract Performance Reports - ARRA
Appendix B – Contract Deliverables, Milestones, Metrics
Appendix C – Project Services and Support (WBS 000) (PBS RL-XX.99)

EXECUTIVE SUMMARY

The end of the fiscal year also marked the end of Recovery Act funding at most projects across the Hanford Site as well as the end of workforce restructuring at CHPRC.

The Engineering, Projects and Construction (EPC) team achieved 100 percent completion on Recovery Act construction of the 200 West Groundwater Treatment Facility with all 29 Construction Acceptance Tests complete.

The Soil & Groundwater Remediation Project finished the fiscal year setting a record in groundwater treatment, thanks in part to the new 100-DX Groundwater Treatment Facility that has been operating since January 2011.

Altogether, CHPRC treated more than 850 million gallons of groundwater in FY2011.



200 West Groundwater Treatment Facility in September 2011

The Decommissioning and Demolition (D&D) Project achieved two of its Recovery Act Key Performance Parameters (KPP), demolishing the last 100K KPP facility for a total of 26 100K facilities demolished with Recovery Act funds and completing grouting at the U Canyon, the last stage to bring the massive canyon to demolition-ready status. The project also completed cleanup on the North Slope, for a total cleanup footprint reduction of 290 square miles (including the Arid Lands Ecology Reserve).



Grouting at U Canyon

Waste & Fuels Management Project (WFMP) personnel achieved and surpassed their project's fifth and final KPPs, for a total of 2,640 cubic meters of suspect transuranic (TRU) waste retrieved (2,500m³ was the target).

The Plutonium Finishing Plant (PFP) Closure Project team declared two more ancillary structures ready for demolition, for a total of 30 facilities prepared for demolition with Recovery Act funds; of these, 20 have already been removed or demolished, with six more scheduled for demolition by December 2011. The project closed out the fiscal year with 100 or more days without a recordable injury or a lost restricted/transferred work injury/illness.

Focus on Safety

The Presidents' Zero Accident Council (PZAC) meeting in September was sponsored by the Safety, Health, Security, and Quality organization. The three principal themes for the meeting were:

- Cold and Flu Prevention
- Site Occupational Medical Treatment Beyond First Aid
- Remaining Focused Through Changing Times

Two recordable injury reports were presented along with the injury and illness performance metrics. The Value Creation was a presentation on Plutonium From the Past, an entertaining account of plutonium work processes and controls from Hanford's history. Other topics included the options available to injured workers when referred by the site occupational provider to another medical provider, a reminder on the criteria for substantial footwear, and reports from the annual ISM and national VPPPA conferences.

A Special Safety Bulletin on "Emergency Calls Made from Cell Phones" was communicated in September throughout CHPRC. Four "*Thinking Target Zero*" bulletins were published in September addressing the following topics:

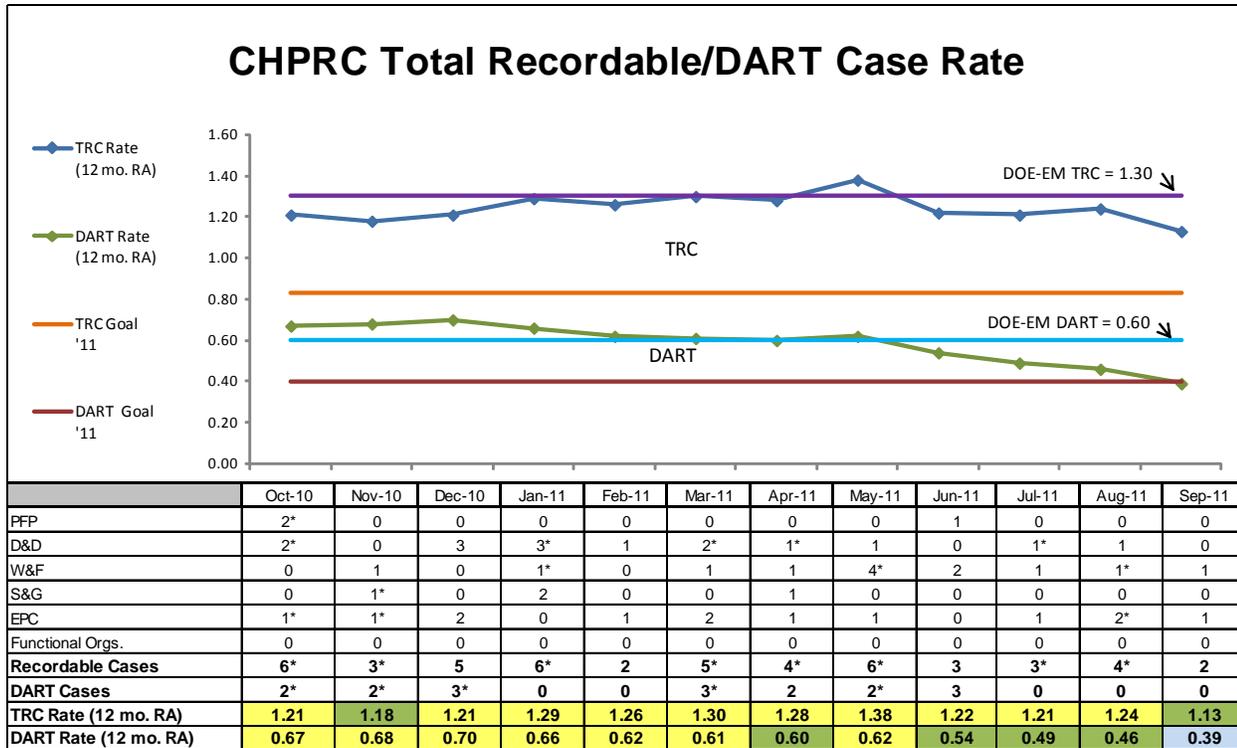
- Drive Safely Work Week
- Behavioral Safety
- Chemical Management
- Equipment Modifications

Four *Weekly Safety Tailgate* briefing packages were issued in September. On the first workday after Labor Day, a special tailgate entitled *Focusing on Safety* was used to communicate the need to re-focus following a long holiday weekend. Employees were reminded to recognize lingering distractions, recommit to a questioning attitude, understand the hazards and controls of the assigned task, to anticipate the unexpected and be ready to respond appropriately. The remaining tailgates covered such relevant and current topics as: avoiding hand injuries, preventing propane tank fires, security, removing authorized work lockout devices, responding to injuries and illnesses, primary authorized worker designations, slips, trips, and falls, displaying a questioning attitude, modeling safe behavior, and summaries of injuries, illnesses, and close calls.

CHPRC participated in the 2011 DOE Integrated Safety Management Champions Workshop during the month of September. The theme of the workshop, "Safety 360°, Enhancing Worker Situational Awareness" acknowledged the value of a situational awareness approach in achieving improved workplace safety and a robust safety culture. The workshop was hosted by the Hanford Site this year and CHPRC made a significant contribution to its success. CHPRC employees made up roughly 20% of the workshop's record attendance of over 1200 participants. Seventeen of the 120 technical presentations were given by CHPRC employees, including a key portion of the pre-workshop High Reliability Leadership Seminar. CH2M HILL was the only Platinum Sponsor for this year's workshop and Michael McKelvy, President of CH2M HILL's Government Environmental and Nuclear Division, provided the formal welcome to attendees on the final day.

TARGET ZERO PERFORMANCE September 2011

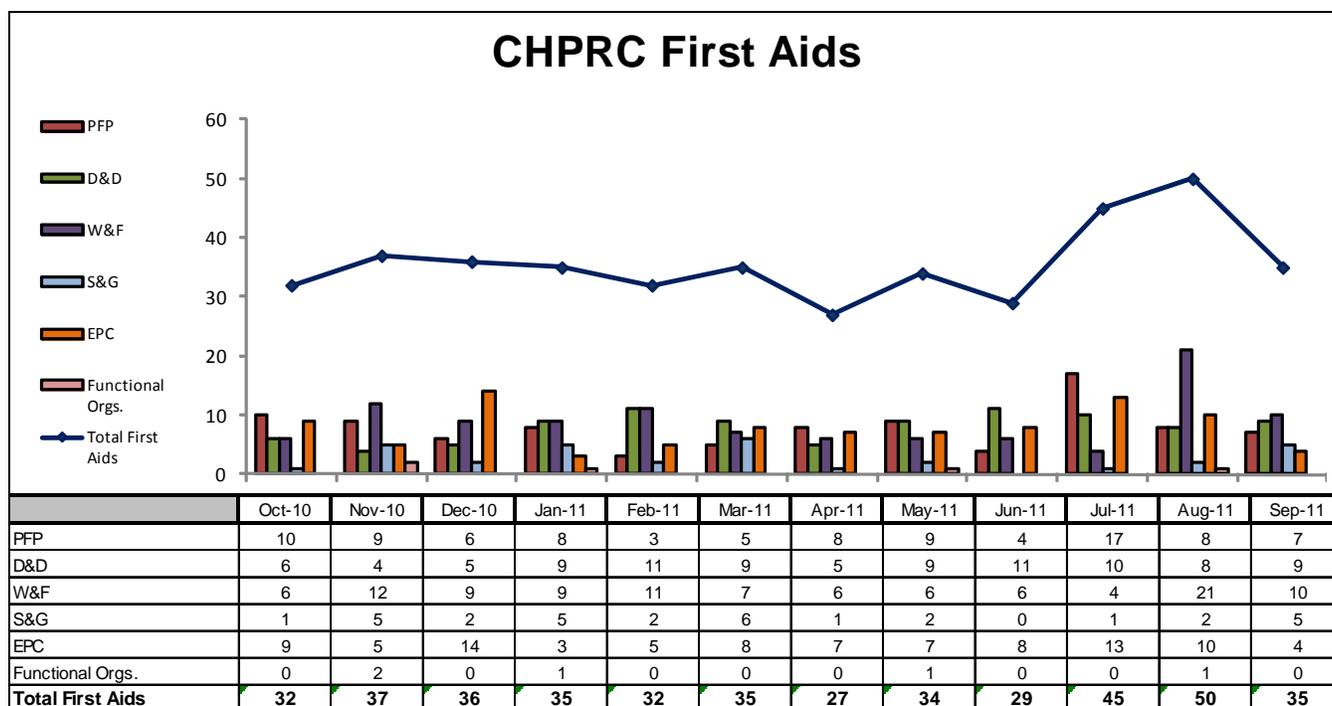
CHPRC continued focusing on integrating safety programs in all program and project areas.



Total Recordable Injury Case (TRC) Rate – The 12 month rolling average TRC rate of 1.13 is based upon a total of 49 recordable injuries. There were two Recordable cases in September and four new/adjusted Recordable cases (one from July 2010, one from July 2011, two from August 2011) one of which is a DART case. There are currently three cases under review requiring additional information.

Days Away, Restricted or Transferred (DART) Workdays Case Rate – The 12 month rolling average DART rate of 0.39 is based upon a total of 17 cases (8 Restricted, 9 Days Away Cases).

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



First Aid Case Summary – 35 first-aid cases were reported in September. The biggest contributors were 15 sprains, strains and/or pains, 8 insect bites/stings and 4 Abrasions/Contusions. Of the 15 sprains, strains, and/or pains, most resulted from awkward positions, motion, or overexertion. The insect bites/stings coincided with the warmer weather.

PROGRAM SUMMARIES

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

On September 26, 2011, the Site-Wide Industrial Hygiene Database (SWIHD) was released for use across the Hanford site. CHPRC was instrumental in the development of the SWIHD, becoming the first contractor to pilot the site wide system by adapting the existing Tank Farm IH database.

Occupational safety and industrial hygiene roles and responsibilities were bolstered following workforce restructuring by re-assigning Technical Authorities and Functional Managers in areas where vacancies were created. This also included ensuring the availability of competent persons and CHPRC representatives to the site-wide standards committees.

Industrial hygiene, radiological control, and quality assurance representatives kicked off an effort to enhance personal protective equipment quality and selection processes by identifying technical specifications and guidance for the procurement of chemical protective clothing.

Emergency Preparedness conducted 8 drills in September, including two operational drills and four upset events. Work continued to prepare the TALON robot and the MOVERS radiological emergency response vehicle for improved field response.

Radiological Protection supported the dosimetry closeout for those employees affected by the reduction of force efforts. This included scheduling numerous exit bioassays and processing of Thermoluminescent dosimeters (TLDs). Oversight activities associated with 209-E demolition provided feedback to the Project regarding radiological planning assumptions and associated documentation. Feedback included the efforts from other CHPRC Projects that could be successfully applied to the demolition radiological work planning.

Environmental Management System

Twenty four (24) EMS targets were completed in FY2011. New targets for FY2012 have been developed and are being reviewed by Senior Management for approval.

Environmental Protection

TPA: All TPA milestones for FY2011 have been met. All TPA milestone change packages related to FY2012 funding and scope prioritization for Central Plateau activities have been signed and incorporated into work processes.

CERCLA 5-Year Review: The CHPRC input to the final CERCLA 5-Year Review was delivered to DOE-RL. CHPRC worked closely with MSA to produce a quality document that addressed stakeholder and regulator comments. The document will be released to the public in early November 2011.

RCRA Site-Wide Permit: Continued to work with RL to resolve comments on the site-wide permit. Ecology anticipates its release for public comment early winter timeframe.

Inspections: Twenty six (26) inspections by regulatory agencies were performed during FY2011. Two were completed during September.

- WDOH inspection of stack 296-P-31 at the 209-E Critical Mass Laboratory to confirm that the building no longer required active ventilation or monitoring. WDOH confirmed that the remaining ventilation systems and monitoring system can be de-energized and deactivated, paving the way for demolition.
- Ecology and EPA inspection of the 400 Area Waste Management Unit and visited the Fuel Storage Facility and the Interim Storage Area. No major issues were noted; however facility inspection frequency and level of inspections in the future were discussed.

Environmental Quality Assurance

Completed Surveillance EP&SP-2011-SURV-9532, "WIDS – Data Accuracy and Waste Streams," on 9/28/2011 with no findings or opportunities for improvement.

Revision 6 of EQA Program Plan (CHPRC-00189) was completed and released on 9/20/2011.

Finalized the assessment schedule for FY2012.

Business Services

Facilities:

Facilities and Property Management has developed a detailed schedule for the return of Leased Mobile Offices, Rental Vehicles and Equipment and the move plans to reset the company in its new smaller footprint following workforce restructuring. To date 23 leased mobile offices have been returned and Projects are returning rentals commensurate with the completion of scheduled activities. All planning was completed to execute personnel movements in October that will vacate 2425 Stevens Center and 2418 Garlick in Richland.

Procurement:

For the month of September 2011, the Procurement group awarded 32 new contracts with a total value of \$4.3M, amended 790 existing contracts with a total value of \$35.6M, and awarded 458 new purchase orders valued at \$1.7M to support Base/ARRA acceleration objectives.

For FY2011, the Procurement contribution to project execution included: 1,058 new contracts awarded with a total value of \$ 161M, 6,073 amendments issued to existing contracts with a total value of \$97M,

and 4,155 new purchase order line items awarded valued at \$15M to support Base/ARRA acceleration objectives.

For the three-year inception to date period, as measured at the end of the first 36 months, procurement volume has been significant; \$1.75B in contract activity has been recorded with approximately 50.97% or \$896M in awards to small businesses. ARRA funded activity totals 42% or \$736.7M of the grand total. This includes 5,279 contract releases, 10,810 purchase orders, and over 182,500 P-Card transactions.

For the first three-year small business review period, CHPRC exceeded all small business subcontracting goals. This is due in part to a concerted effort to award new small business actions consistent with the RL approved Small Business Plan amendment effective December 2010.

Material Services:

Provided current list of P-Card holders and Approving Managers along with P-Card Training records to RL to aid in RL's P-Card Surveillance audit.

Scheduled interview times with cardholders for RL to inquire about the cardholders' knowledge of policy and procedure and to review their files for completeness and required documentation.

Worked with cardholders who were chosen as part of the MAAR audit to compile documentation and determine the location of items to be physically "touched" by the DCAA auditor. Accompanied auditor to the site on September 28.

Provided requested backup documentation to support allowable costs questioned in Internal Audit IA11-10, Safety Shoes, Glasses, PPE and Winter Clothing.

Continued to provide the Estimating and Program Support organization with P-Card and Purchase Order backup documentation to support DCAA requests.

Worked with 100K personnel to provide a detailed overview of Spare Parts for 100K East and West, MCO project, CVD, and K-Basins Closure.

Updated the Asset Suite Material Analyst Groups as information came in on Design Authorities that were leaving the company to ensure Burst Reports were sent to the right people. This process is expected to continue as adjustments in responsibilities are worked through in the coming month or so.

Finance:

Submitted Fiscal Years 2012 and 2013 and 2014 Overhead Rates to RL for approval.

Successfully closed Fiscal Year 2011 end accounting records with all costs within available funding.

Participated in Administrative hearing process with an Administrative law judge and the State Department of Employment Securities. CHPRC is appealing Employment Securities decision to deny our request to be considered as a Predecessor company to Fluor Hanford at the time of contract transition on October 1, 2008. Expect ruling from the Administrative law judge in the next few weeks.

Training & Procedures:

Continued development of the new PRC Procedures System (PPS) in collaboration with Lockheed Martin Services, Inc. PPS will replace the legacy Docs Online system.

With other Hanford contractors, continued implementation and upgrading of the new site-wide Enterprise Management training system.

Supported projects in the development of individual training plans and training scheduling necessary to accomplish organizational restructure activities.

Human Resources:

During the last two weeks of September Human Resources exited over 900 CHPRC and contracted employees (308 week one; 610 week two)

Close to 700 individual meetings were conducted between the employee and an HR Specialist. These meetings were conducted during August and September.

Processed 18 requests for new Workers' Compensation claims during September and 54 during the third quarter of CY2011. This number is the highest number processed since October 2008, previous high for a quarter was 40.

Twenty-one employees are out on Plant Injury time loss as of September 29, 2011.

Prime Contract and Project Integration (PC&PI)

Working with the Soil & Groundwater Remediation Project, Contract Compliance and Change Management (CC&CM) supported the completion of the DOE requested KPMG audit of CHPRC's responses to the KPMG audit CP 030.004B, *200-ZP-1 Operable Unit Operations and Maintenance (O&M)* findings. These efforts concluded with the August 18, 2011 exit conference with KPMG.

CC&CM and the EPC Project completed their efforts in support of the DOE sponsored DCAA audit of CHPRC REA 000.005, *Support Trailers*, and the DOE sponsored USACE audit of CHPRC CP 1046, *Implement interim actions for the 200-UP-1 Operable Unit - S/SX Pump and Treat*. The DCAA informally shared they identified no adverse findings as a result of their audit. Feedback from the USACE audit is pending.

Work continued on the development of a Request for Equitable Adjustment to address the impacts of added scope associated with *Multi-incremental Sampling*.

During September, the following Change Orders were definitized with RL:

- CO # 090, 300-FF-5 Differing Site Condition (Modification 174)
- CO #101, FR-3/BC-5 Expedited Actions (Modification 149)
- CO #135 Bioassay (Modification 150)
- CO #139, Drum Venting (Modification 155)

Disposition of Disposition of Change Proposal 030.1089, *Underground Injection Control Well Management*, developed in response to Change Order Number 68, was formally placed on hold by RL on September 19, 2012 until priorities or funding limitations change.

Contract Compliance received and processed nine (9) contract modifications (numbers 180, 169, 184, 185, 177, 186, 187, 188, and 189) from RL. The Correspondence Review Team reviewed and determined the distribution for 56 incoming letters and the Contract Compliance Manager reviewed 62 outgoing correspondence packages.

Efforts continued on the implementation of the Timberline estimating software. Activities focused on completion of the estimating assemble for Waste Site Remediation and D4 and the documentation required for certification of the system.

Working continued on the corrective actions resulting from the Contract Change Management Processes and Deliverables Management Assessment conducted in April 2011. As of the end of September, 17 of 24 actions were completed.

Efforts to prepare for the anticipated spring 2012 DOE Office of Engineering and Construction Management (OECM) recertification review of the CHPRC EVMS system continued. A review of

CHPRC EVM Project Controls System Description and supporting documentation similar to an EVMS “gap analysis” assessing CHPRC's system against the 32 guidelines encompassed within the ANSI Standard was completed.

Efforts continued on the preparation of the FY2013-FY2018 Performance Measurement Baseline (PMB) submittal due November 30, 2011. Activities focused preparation of the scope, schedule, budget and supporting basis of estimate, and on scheduling internal reviews of data, with participation from RL personnel.

Engineering, Projects and Construction (EPC)

Central Engineering (CE) participated in a walk down of the PFP EF-1 event scene. The scene of the incident was walked down to confirm cause analysis and propose a solution to prevent future fan failures. CE provided recommendations for the repair of cracks on the EF-3 and EF-5 fan veins. CE provided analysis and input to PFP fan failure. CE completed an assessment of failed impeller blade-to-fan wheel welds identified in two of the PFP System 25A exhaust fans. The failures appear to be the result of fatigue service; a justification for, and path forward, for performing weld repair was provided. CE continues to serve as the Design Review Chair for the Sludge Treatment Project (STP) Knock-out Pot (KOP) Final Design. CE has resolved the final RCR comments on the KOP final design and supporting documentation. Publication of the Final Design Review Report is pending resolution of open nuclear safety actions by the project.

CE is supporting the 200W Pump and Treat Project Engineering team on:

- Determining if ASME Boiler and Pressure Vessel Code stamped vessels (cartridge and bag filter housing/vessels) require pressure relief valves. Determining if the pressure relief valves in the chemical injection skids meet the design requirements.
- Defining acceptance criteria/documentation for repairs to PVC process piping.

CE has initiated preparations for the STP Engineered Containers Retrieval and Transport System (ECRTS) preliminary design review. CE will provide the Design Review Team Chair and several subject matter experts.

CE participated in the 200 W Fire System acceptance walkdown 9/20/11. Minor punchlist items were identified in the Rad Building; a ground fault was identified on the initial walkdown of the Bio building. The ground fault was eliminated in time to support walkdown of the Bio building the next morning (9/21/11). All actions are either closed or are being tracked by the project.

CE provided input to the Department of Energy Richland Office (RL) related to potential extent of condition concerns for the 100K Electrical Utilities Upgrade Project and the 100 KW Ventilation Upgrade Project. CE shared with RL the belief that both projects are technically compliant with requirements and are expected to fulfill their mission reliably.

CE continues to participate with the DOE HQ team in the comment resolution of DOE-STD-1020-2002, Natural Phenomena Hazards Design and Evaluation Criteria for DOE Facilities update to DOE-STD-1020-2011.

CE is in the process of writing a design guide for non-Nationally Recognized Testing Laboratory (NRTL) work processes. The guide will provide project personnel information on the NRTL program and provide some details on how to handle non-NRTL equipment issues.

CE Hanford Welding Program (HWP), Center of Expertise (COE) met to review and discuss Site welding needs and issues. Some of the pertinent topics included:

- Continued effort to prepare a separate and unique qualification for Welder (MSA Mechanic) certification to perform Hard-Facing Overlay of CHPRC D&D Universal Processor jaws. This approach is being taken to address current Welder resource needs that make it difficult to best support project requirements. The new qualification requirements will be incorporated into the CHPRC Welding manual.
- Details of Site “restructuring” activities were reviewed with regard to potential impact they may have on site welding activities currently provided to the various contractors.
- An initiative to consolidate weld inspection procedures and practices that currently reside amongst multiple site contractors into a single procedure, to be added to the CHPRC Welding Manual, is underway.

CE provided NRTL evaluation/resolution support for the following:

- Evaluated a PFP non-NRTL listed/labeled Hytorc electric-hydraulic pump. The pump is CSA non-US labeled and is under evaluation of the applicable CSA standards are being evaluated for comparison to UL standards. This will assist the AHJ for approval determination.
- Evaluated a Descobrader system scarifier received to verify NRTL compliance. The electrically powered equipment is used for concrete removal and was determined to have the proper labeling and certifications to comply with NRTL requirements.
- Identified a preferred replacement to the current Nilfisk HEPA Vacuum. CE also negotiated with the manufacturer to have the Fein Turbo III variable speed vacuum tested at a Nationally Recognized Testing Laboratory.

Communications

Internal Communications

CHPRC issued a special edition of *On the Plateau* that highlight CHPRC’s Recovery Act accomplishments and will be mailed home in October with a copy of the CHPRC Recovery Act video. CHPRC supported project teams with developing a template for the upcoming all-hands meetings. Routine communications included InSite videos (three episodes), On the Plateau newsletter, Recovery Act Update newsletter, and EMS challenge information.

Media Relations

Collaborated with RL public affairs for responses to media inquiries related to CHPRC workforce restructuring and progress at the Plutonium Finishing Plant, which were both featured in the *Tri-City Herald*.

CHPRC supplied photos and text for the Hanford Site social media sites to highlight demolition progress at the 284-W Power House and the U Canyon grouting.

Recovery Act

CHPRC continued publishing a weekly progress report and video per contract requirement Contract No. DE-AC06-08RL14788 – Modification M047, as well as a one-page weekly newsletter.

Recovery Act videos produced in September highlighted recontouring the 100K shoreline, 100K Area D&D goal met, 100K Area waste site remediation, 284-W Power House demolition complete, 100-NR-2 apatite barrier, Recovery Act wrap-up, Recovery Act employee video featuring notes of thanks from all of the CHPRC vice presidents.

The September issue of the CHPRC newsletter *On the Plateau* was a special Recovery Act edition.

Public Involvement

Completed the compilation and binning of more than 300 comments from ~128 commenters for the Proposed Plan for Remediation of the 200-PW-1, 200-PW-3, 200-PW-300, and 200-CW-5 Operable Units. The successful completion of this activity was instrumental in developing the comment response document for the Record of Decision.

Developed a public involvement strategic plan in support of the River Corridor decision documents that will be issued for public comment over the next two years.

Coordinated the development of a presentation on Draft A of the Proposed Plan for the Remediation of 100-K Operable Units.

PROJECT SUMMARIES

American Recovery and Reinvestment Act (ARRA)

Removal of plutonium-contaminated process equipment continued as a top priority in readying the PFP Complex for demolition, with a particular focus on removal of gloveboxes and associated piping and ductwork from the process and lab areas. Glovebox Deactivation, Decommission, Decontamination, and Demolition (D&D) is complete in the backside vault rooms, Standards Laboratory, Analytical Laboratory, and the Radioactive Acid Digestion Test Unit (RADTU). A total of 130 gloveboxes have been removed to date with Recovery Act Funds. Of these, 123 have been shipped out of PFP for treatment or disposal and one has been set aside and staged for size reduction and disposal as transuranic (TRU) waste.

The 2736-Z, 2736-ZA and 2736-ZB buildings were certified Cold and Dark. 2721-Z and 2736-Z and 2736-ZA were also declared ready for demolition. CHPRC D&D plans to demolish the four-building PFP Vault Complex and two ancillary structures and complete waste load-out by the end of December. Final area cleanout is continuing throughout the three PFP laboratories and backside vault rooms of 234-5Z. To date, 27 of the 47 rooms in these areas have been inspected and verified as complete in support of the Key Performance Parameter for 234-5Z Ready for Demolition (KPP-1).

External isolations, process equipment removal, and decontamination continued on the 47 Remote Mechanical A (RMA) and Remote Mechanical C (RMC) Line gloveboxes, where significant radiation dose rates and high contamination levels complicate work. All four of the HA-14 gloveboxes in the RMA Line (Room 235A-1) were removed from building ventilation, HA-14S and 14P unbolted from HA-14DC, and sleeving to support their removal is being installed. In the RMC Line (Room 228A), external isolations, process equipment removal, and initial decontamination was completed on glovebox HC-11; and external mechanical isolations and process equipment removal was completed on HC-10 and the first section of the HC-1 conveyor glovebox.

This period, 57 feet of highly contaminated process solution transfer lines in the 234-5Z building was removed, bringing the total removed to date to 592 feet. Process vacuum system piping removal remains on hold in support of higher-priority KPP 234-5Z Ready for Demolition work scope in the process and lab areas, and total removed remains at 1,210 feet. Insulator crews removed 229 feet of asbestos from piping and ductwork, bringing the total linear footage completed at PFP with Recovery Act funds to 15,228 feet.

As the pace of D&D work has accelerated at PFP, so have waste generation rates. CHPRC has now shipped approximately 3,679 cubic meters of waste from PFP with support from Recovery Act funds,

including 2,949 cubic meters of low level and mixed low level waste, 700 cubic meters of TRU waste, and 30 cubic meters of nonradioactive waste.

Removal of the 224 contaminated HEPA filters from deactivated filter rooms 311 and 316 are complete.

Base

236Z Plutonium Reclamation Facility – Canyon entries to troubleshoot the problem with the crane trolley were impacted by the failure of Exhaust Fan 1 (EF-1) on August 29th resulting in restrictions on work in the radiological areas of PFP. In addition, canyon entries to troubleshoot the crane trolley were impacted by the work force restructuring resulting in a new canyon entry team being assembled. Troubleshooting of the crane resulted in uncertainties as to where the trolley cable has failed. A determination has been made to replace the cable reel. Engineering has completed the design and fabrication has been initiated on installation of a part to address the rubbing of the cable.

RL-0012 Spent Nuclear Fuel Stabilization and Disposition

The Knockout Pot (KOP) Processing System (KPS) Formal Design Review completed earlier this month with the receipt of approximately 190 Review Comment Record (RCR) form comments, most of which have been dispositioned. Following disposition of the remaining comments, the Final Design Report will be released (expected in October).

The Engineered Container Retrieval and Transport System (ECRTS) Integrated (TRL-6) Test was completed and test inspections begun. Test data has been assembled for the associated test report, expected in mid-October.

The STP Joint Test Group (JTG) approved PRC-STP-00500, STP ECRTS Analysis of Simulant Properties for TRL-6 Testing. This report compares the important physical and rheological properties of the TRL-6 simulants to the properties of the actual K Basin sludge in order to demonstrate that the simulants bound the full range of actual sludge properties.

K West Annex initial modification plan for removal of the annex crane has been revised to reflect demolishing the crane within the building instead of lifting the crane out of the building through the roof. Construction activities to remove the crane will start in early October.

Final design of the K West Annex continued, with Areva Federal Services (AFS), the design subcontractor, modifying their schedule to reflect a two-week delay associated with moving the modified Annex 30 feet to the north.

Cold Vacuum Drying Facility operations performed simulator training and systems/bay qualifications in order to support processing the scrap fuel multi-canister overpacks (MCOs) in FY2012.

Representatives from the Carlsbad Field Office, WIPP, RL, and CHPRC participated in a workshop in Richland to discuss key performance and design assumptions and requirements for the future Phase 2 treatment and packaging facility. All sludge streams were discussed though the focus was on treatment and packaging of the K East sludge. Consensus was reached for a number of key technical elements associated with treatment, packaging, and transportation of K East sludge. All parties agreed to an ongoing dialog to firm up the RL planning basis for treatment and packaging of K Basin sludge material. The results of the workshop were briefed to Joe Franco of RL and DOE consultants Margaret Chu and Milt Levensen.

AFS issued the final thermal and gas analysis for the transport of settler sludge within the sludge transport system (STS). AFS evaluated the transport of the settler sludge in an STSC with and without the Settler core. The evaluation assumed a total payload of 1.6 m³ in an STSC without the core and 1.3

m³ in an STSC with the core. The evaluation assumed that the STS/STSC will be received and vented at T-Plant within 60 hours of STS/STSC closure at K Basins. Under these conditions the evaluation found that the transport of the STS/STSC with the core remained thermally stable. The transport of the STS/STSC without the core required the sludge payload to be loaded in a minimum of two layers in order to remain thermally stable.

RL-0013 Waste and Fuels Management Project (W&FMP)

American Recovery and Reinvestment Act (ARRA)

A “Middle-ware” utility providing the foundation for an accessible, user-friendly, comprehensive interface for waste inventory, forecast and reporting data was put into production in September. Completed the Key Performance Parameter (KPP) to retrieve 2,500 cubic meters of suspect Transuranic (TRU) waste from storage (2,640 m³ retrieved to date). All Point of Generation (POG) waste was shipped to Perma-Fix Northwest (PFNW), 205 m³ shipped and completed. Completed shipment of the mixed low-level waste (M/LLW) portion of retrievably stored TRU waste. Completed shipment of 142.6m³ Legacy M/LLW to a treatment facility (2,121m³ shipped to date). M-91-42 /435.1 – shipped 118 m³ to processing (1,508 m³ total shipped under ARRA) and completed 154 m³ (1,314 m³ total completed under ARRA); M-91-43 – a total of 588 m³ have been shipped to processing under ARRA and 58 m³ were completed during the month (501 m³ completed under ARRA). The Central Waste Complex (CWC) completed 80 on-site shipments/transfers, 279 containers; and received 191 shipments/transfers, 998 containers.

Base

The W&FMP continued maintaining facilities in a safe and compliant condition; Canister Storage Building (CSB) completed the annual Nuclear Assurance Corporation-1 Cask/International Standards Organization Container inspections. Liquid Effluent Facilities (ETF) 200A Treated Effluent Disposal Facility (TEDF) discharged 1M gallons (CY 11M) and received Environmental Restoration Disposal Facility (ERDF) leachate (68K gallons) at Liquid Effluent Retention Facility (LERF) Basin 44 (CY 1.3M gallons).

RL-0030 Soil, Groundwater and Vadose Zone Remediation

American Recovery and Reinvestment Act (ARRA)

Progress through the end of the fiscal month September is summarized in the table below.

Activity	September		Cumulative	
	Planned	Completed	Planned	Completed
Well Drilling (number of wells) -	0	0	303	303
Well Decommissioning (# of wells) -	0	0	280	280
100 DX Pump and Treat (P&T) – Construction/Startup (percent)	-	-	100	100
200 West P&T – Final Design (percent)	-	-	100	100
200 West P&T – Construction (percent)	12	6	100	100
200 West P&T – Testing/Startup (percent)	10	12	100	100

Base

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

- 378 samples were collected
- 52 aquifer tube samples collected from 18 tubes at 14 locations
- 16.1M gallons groundwater treated by ZP-1 treatment facility
- 19.8M gallons groundwater treated by KX treatment facility
- 4.6M gallons groundwater treated by KW treatment facility
- 5.6M gallons groundwater treated by KR-4 treatment facility
- 4.0M gallons groundwater treated by HX treatment facility
- 19.8M gallons groundwater treated by DX treatment facility
- 70.0M gallons of groundwater treated total

RL-0040 Nuclear Facility D&D, Remainder of Hanford**American Recovery and Reinvestment Act (ARRA)**

Completed grouting of the 221U Canyon facility process cell voids.

Completed grouting the hot pipe trench.

Completed grouting of the ventilation tunnel and ventilation ducts to the sand filter and exhaust stack.

Completed grouting of the canyon operating deck cap.

Completed cutting and load-out the last slab tank (TK-106) at 209E.

Completed the reduction of the 209E facility to Hazard Category < 3 and obtained Department of Health approval to shut off the stack.

Completed abatement activities in and demolition of the 284W Power House.

Completed decommissioning the North Slope wells.

Completed asbestos abatement of the steam lines in the 200W Area.

Remediation activities completed in the Model Group (MG)-1 waste sites.

Base

Planned surveillance and maintenance (S&M) activities continue.

Completed the roof repair at REDOX.

RL-0041 Nuclear Facility D&D, River Corridor**American Recovery and Reinvestment Act (ARRA)****Facilities**

Completed the demolition and load out of the 183.1KE Head House, 183.3KE Filter Basin, and the 183.4KE Clearwell.

Completed the demolition and load out of the 183.4KW Clearwell

Completed the demolition of the 181KE River Pump House

Completed the demolition and load out of 1720 Administrative Office Building.

Completed the demolition of 190KE Main Pump House

Continued with asbestos removal in the 190KW Main Pump House.

Completed below-grade demolition of the 1706KE Radiation Control Counting Laboratory and 1706KER Water Studies Recirculation Building.

Completed 165KE asbestos abatement planning.

Waste Sites

Verification sampling of waste at 100-K-77, the last ARRA funded waste site at 100-K, was completed in August.

Excavation on ARRA Waste Sites and Sub-Grade Structures	September 2011	
	Tons	Containers
ARRA Cumulative (fiscal year [FY]2009 to Date)	132,630	7,197

Base

Facilities

Continued 105KE Reactor engineering/planning activities for the design and construction of the reactor building Safe Storage Enclosure (SSE) to place it in Interim Safe Storage (ISS). Demolition of the 183.2KE Sedimentation Basin will continue in FY2012.

Completed demolition and electrical work packages for the 115KW Gas Recirculation Building.

Waste Sites

The MOA for waste site 100-K-63 was approved and issued on August 24, 2011.

Excavation and load out were completed at the following waste sites in September:

- 1706KE below grade structure
- 1706KER below grade structure
- 105KE East Annex
- 105KE West Annex
- 105KE Cyclone Separator

The table below displays the number of tons and containers sent to ERDF during September:

Active Excavation on Base Waste Sites and Sub- Grade Structures	September 2011	
	Tons	Containers
105KE Admin	3,517	171
105KE West Wall	4,799	231
1706KE	7,225	340
1706KER	6,587	319
110-K-6	1,629	77
Monthly Total	23,757	1,138
Previous Cumulative (all sites under Base)	294,848	14,773
Base Cumulative (FY2009 to Date)	319,743	15,911

KEY ACCOMPLISHMENTS

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

RL-0011 Nuclear Materials Stabilization and Disposition

ARRA

RMA Line Room 235A-1, the chemical decontamination and application of internal fixative was completed for gloveboxes HA-14S, HA-14P, HA-14CC and HA-14DC.

In RMA Line Room 235A-3 the initial internal wipe down of gloveboxes HA-8A, HA-8B, HA-9C, HA-9D, and HA-9E were started. The mechanical isolation of glovebox HA-7A continued.

Bulk Area Cleanup activities for the lab continue. This involves removal of miscellaneous equipment and piping, which will prepare the lab area for demolition. Cleanup is scheduled for completion by the end of October, 2011.

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

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

A total of 229 feet of asbestos-containing materials on piping was removed during the month of September bringing the total to 15,228 feet of asbestos removed to date.

Facilities 2721-Z, 2736-ZA and 2736-Z were declared Ready for Demolition.

Base

After failure of Exhaust Fan EF-1 (see issues section of this report), a thorough evaluation of remaining exhaust fans in 291-Z was performed. This evaluation revealed the need to perform additional exhaust fan maintenance prior to restart of the normal ventilation system (e.g. bearing replacements; sheave/belt alignments; mounting plate modifications; etc.) The maintenance activities were completed which allowed four of the seven exhaust fans to be restarted and placed into service (EF-2, EF-4, EF-6, and EF-7). The Department of Energy (DOE) authorized restart of normal ventilation on 9/15/2011. Inspection results for EF-3 and EF-5 revealed more extensive repairs are needed prior to allowing normal use.

Canyon entries to setup for troubleshooting of the crane trolley were completed. In Remote Mechanical A Line Room 235B, the cleanout of the large four level glovebox HA-23S was completed for all four levels of HA-23S.

RL-0012 Spent Nuclear Fuel Stabilization and Disposition

PRC-STP-00522, *STP KOP Disposition Subproject Completion of Pretreatment Report*, was approved and provided to RL as formal supporting documentation for closure of TPA Milestone M016-170, *Complete KOP Material Pre-treatment*. This STP accomplishment establishes the necessary initial conditions for executing the KPS operating campaign scheduled for next spring.

PNNL-20650, *Characterization Data Package for Containerized Sludge Samples Collected from Engineered Container SCS-CON-210*, was completed by subcontractor PNNL. The full report and underpinning data package provide the results from the characterization activities in accordance with the Quality Assurance Project Plan/Sampling and Analysis Plan.

HNF-SD-SNF-TI-015, Revision 15, *Spent Nuclear Fuel Project Technical Databook, Volume 2, Sludge*, was approved and released. This revision of the databook replaces older values on sludge currently held in Engineered Containers SCS-CON-240, -250 and -260 (K East sludge) with best available parameters obtained by direct sampling and analysis of sludge material in these containers.

RL-0013 Waste and Fuels Management Project**ARRA**

Completed the KPP to ship 1,800 m³ Legacy M/LLW to a treatment facility. Shipped 142.6 m³ (2,121 m³ to date).

MLLW: M-91-42/435.1– shipped 118 m³ to processing and completed 154 m³.

MLLW: M-91-43– shipped 588 m³ to processing and completed 58 m³.

Removed 216 m³ of CH-TRU waste from the trenches.

Shipped 467 m³ of retrievably stored CH-TRU waste Completed 103 4B shipments: 88 shipments (150.0 m³) to CWC; six shipments (62.0 m³) to PFNW, eight shipments to ERDF (101.2 m³), and one shipment to MWT (11.4 m³).

Removed 330 drums (68.6 m³) from 4B Trench 7; all drums were overpacked, assays completed, and containers shipped to a TSD.

Compacted 110 empty 216-Z-9 drums.

Transferred 1,071 drums and 118 SWBs from WRAP to CWC.

Completed 80 transfer shipments of 279 containers from 4B/4C burial grounds in support of Waste Retrieval Projects.

Shipments to the Waste Isolation Pilot Project (WIPP): Current month total – eight, 217 total WIPP shipments to date.

Base

Capsule Storage & Disposition: Completed Exhaust Fan K3-7-2 flex connector replacement, completed Pool Cell #11 radiation monitor repair

Completed annual Nuclear Assurance Corporation-1 Cask/International Standards Organization Container inspections.

Liquid Effluent Facilities (LEF): Received five tankers (448K gallons).

LEF: 200A Treated Effluent Disposal Facility discharged 1M gallons.

LEF: Received Environmental Restoration Disposal Facility (ERDF) leachate (68K gallons) at Liquid Effluent Retention Facility Basin 44.

LEF: Continued operating the 310 Area Retention Transfer System (21 batches/674K gallons).

RL-0030 Soil and Groundwater Remediation**ARRA****EPC Projects in Support of S&GRP:**

200 West Area Groundwater Treatment Facility – KPP scope is 100% complete. Completed the execution of the 29 KPP related Construction Acceptance Tests (CATs) on schedule, continued working through the remaining construction punchlist items and initiated the execution of five Acceptance Test Procedures.

Well Drilling and Decommissioning:

	September		Cumulative	
	Planned	Completed	Planned	Completed
M-24 -5 wells	0	0	5	5
200-ZP-1 West P&T Expansion -17 wells	0	0	17	17
KR-4 Remedial Investigation/Feasibility Study (RI/FS) – 13 wells	0	0	13	13
100-NR-2 Barrier Emplacement – 171 wells	0	0	171	171
100-HR-3 H Area Remedial Process Optimization (RPO) – 40 wells	0	0	40	40
100-HR-3 D Area RPO – 30 wells	0	0	30	30
200-BP-5 “K” Well – 1 well	0	0	1	1
200-BP-5 “L” and “M” Well – 2 wells	0	0	2	2
100-BC-5 RI/FS – 10 wells	0	0	10	10
100-FR-3 – 3 wells	0	0	3	3
300 FF-5 RI/FS – 11 wells	0	0	11	11
Drilling Total	0	0	303	303
Decommissioning Total	0	0	280	280

Base

Treated a total of 70.0M gallons of groundwater.

EPC Projects in Support of S&GRP:

100-HX Groundwater Treatment Facility – Completed Acceptance Test Procedure, closed out construction work packages and completed turnover of the HX facility to SGW Operations Director 9/29/2011, three months ahead of the baseline schedule.

Environmental Strategic Planning:

Incorporated Ecology comments into the 200-PO-1 Remedial Investigation Report (Chapters 5, 6), and revised the supporting environmental calculation files.

Completed initial scoping discussions for sequencing geographical zone remediation activities that will be reported in the Central Plateau Remediation Optimization Plan.

Completed a final comment resolution review with the Tri-Party Agencies on the graded approach document “Regulatory Basis and Implementation of a Graded Approach to Evaluation of Groundwater Protection,” (DOE/RL-2011-50).

Integration Management:

WIDS TPA MP-14 Revision: Revision 2 of the TPA MP-14 for waste site assignment within the Waste Information Data System (WIDS) was approved by DOE-RL, Ecology and EPA. This revision simplifies the discovery checklist, provides clarification of data requirements and streamlines the overall process.

Document Review & Standardization:

Completed coordination and submittal of Environmental Program & Strategic Planning document reviews and consolidated responses for 18 environmental documents.

River Corridor**100-KR-4 Operable Unit – Base**

Delivered the *Remedial Investigation/Feasibility Study for the 100-KR-1, 100-KR-2, and 100-KR-4 Operable Units*, Draft A, and the *Proposed Plan for Remediation of 100-KR-1, 100-KR-2, and 100-KR-4 Operable Units*, DOE/RL-2011-82, Draft A to DOE on September 8, 2011. Both documents were delivered to EPA on September 19, 2011, two days ahead of the TPA Milestone M-015-66-T01.

100-NR-2 Operable Unit – Base

RI/FS well-drilling, sampling, and well-construction activities were completed at wells C8186, C8189, and C8190. All RI field work is now complete for 100-N.

100-HR-3 Operable Unit – Base

Chapters 1, 2, and 3 of the D/H RI/FS report were delivered in September for DOE-RL in accordance with the revised delivery schedule for the report.

200-UP-1 Operable Unit – Base

The first (C8097, near S-13 crib) of 3 extraction wells was completed. Drilling of the 2nd well (C8096, southeast corner of SX) was completed and is undergoing well completion. Initiated drilling of the 3rd well (C8095, east of SSY).

200-ZP-1 Operable Unit – Base

System is online pumping water at 381 gpm.

RL-0040 Nuclear Facility D&D, Remainder of Hanford**ARRA – U Plant/Other D&D****U Canyon Demolition and Cell 30 Disposition**

- Completed grouting of the 221U Canyon facility process cells voids. Completed grouting of the hot pipe trench. Completed grouting of the ventilation tunnel and ventilation ducts to the sand filter and exhaust stack. Completed grouting of the canyon operating deck cap.

209E Project

- Removal and load out of Tank 231 has been completed; Completed cutting Tank 106 and load out of the last slab tank (TK-106). Continued on removal of TK141/142.

ARRA – Outer Zone D&D**BC Controlled Area (BCCA) Waste Site Remediation**

- As required by the Remedial Action Work Plan (RAWP), an On-Scene Coordinator Report is being published to document remedial actions performed and current status of the waste site. RL and the regulator comments have been incorporated. The document has been approved and published.

Base

Completed roof repair at REDOX.

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

Completed demolition and load out of 7 Recovery Act Facilities for a total of 26 Facilities completed to date.

Project closeout completed on the 105KE Reactor Core Removal Final design.

Complete the 165KE Power Control Building asbestos abatement planning.

Base**Facilities**

Continued 105KE Reactor Disposition – ISS engineering/planning activities for the design and construction of the Reactor Building SSE.

Waste Sites

Drafted Remaining Sites Verification Package (RSVP) for waste site 100-K-110.

Completed the Sampling for at the 183.4-KW and 183.4-KE Clearwells. Sample results are being compiled and a report, including the results, is being drafted.

Confirmatory samples collected at waste site 100-K-79, Subsite 4, Treated Water Lines, determined the waste site needed to be removed. A Rationale to Change the Status of this waste site was drafted and approved; document number RA-00394.

The draft Verification Sampling Instruction for Area AA, Zone 3, waste sites 120-KW-1, 120-KW-2, 120-KW-3, 120-KW-4 and Stock piles 5, 7, and 9 were approved by DOE and sent to EPA for review. The samples were collected and are currently being third-party validated. An RSVP for these waste sites is being drafted.

DOE and EPA met and discussed strategies for closing 100-K-64 and associated waste sites. A Memorandum of Agreement (MOA) is being prepared to conduct interim work to remove structure on the 100K eastern floodplain.

MAJOR ISSUES

RL-0011 Nuclear Materials Stabilization and Disposition

Issue - On August 29, Exhaust Fan #1 in the 291-Z facility catastrophically failed and caused a small fire when a hot bearing oil made contact with the drive belt. The facility implemented required casualty response actions and the fire was extinguished. Normal ventilation for the facility was shutdown and backup steam turbine driven exhaust fans were placed in service. Per Technical Safety Requirement (TSR), the facility was placed in a "Terminate Activities" mode which halted all D&D activities.

Corrective Actions - A thorough evaluation of the 291-Z exhaust fans was performed. The evaluation identified additional mechanical issues with most of the remaining exhaust fans. A positive Unreviewed Safety Question (USQ) determination was declared and Evaluation of Safety of the Situation (ESS) was prepared and submitted to DOE-RL for approval. The ESS was approved by DOE on September 15, 2011 (Letter #11-SED-0165). Normal ventilation fans were restarted and the Terminate Activities condition was exited. Normal D&D activities were authorized to commence. A comprehensive causal analysis is in progress to determine the cause of EF-1 failure and to identify additional corrective actions.

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

Corrective Actions - A canyon entry was made on Wednesday, September 28, to troubleshoot the failure of the canyon crane trolley. Just prior to entering, the electrician checked the resistances on the trolley motor wires. It was found that the "B" phase had a normal resistance rather than the "Open" resistance previously identified. While in the canyon, the electrician verified a normal continuity check on the trolley motor and determined that the trolley motor was not the problem of the open "B" phase. While pulling up and down on the trolley cable, the electrician was able to observe the continuity of the "B" phase going back and forth from an open to closed state validating the previous Time Domain Reflectometer (TDR) results that the trolley cable reel had failed. It is unsure where the trolley cable has failed. Engineering had previously identified the location of a bumper support bracket as a location where the cable continuously rubs over a 6 foot span of cable as the trolley moves back and forth to the east. It is expected that the failure could be anywhere in that span. Cutting the cable reel back past the area where rubbing would occur would cause the cable to be too short to perform its function. Therefore, the cable reel will need to be replaced. A spare cable reel is available for installation. Engineering has completed a design and fabrication has been initiated on a part to install to address the rubbing of the cable.

RL-0012 Spent Nuclear Fuel Stabilization and Disposition

Impacts from "bump and roll" are being analyzed and quantified.

RL-0013 Waste and Fuels Management Project

No major issues to report this month.

RL-0030 Soil and Groundwater Remediation

Issue: Recently identified an issue with the DX/HX autodialer. The auto dialer calls us if there is an alarm and no one is in the facility. There were two problems:

1. DX and HX have VOIP phones and we could not acknowledge the alarms. The auto dialer would continue to repeatedly call.

2. Also, we were not sure with the VOIP phones that we would be able to receive an alarm during a loss of power. This could result in plant damage.

Solution: Procured a cell phone module that allows the autodialer to call us via a cell phone. The cell phone is plugged into an uninterrupted power supply (UPS) (battery backup). The autodialer also has an UPS. This combined with the cell phone amplifiers we installed for increased cell signal strength will ensure that we will get called during a loss of power and we will be able to acknowledge the alarms. The cell phone amplifiers are also plugged into the UPS.

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

No major issues to report this month.

RL-0041 Nuclear Facility D&D, River Corridor

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

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

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

RL-0042 Fast Flux Test Facility Closure

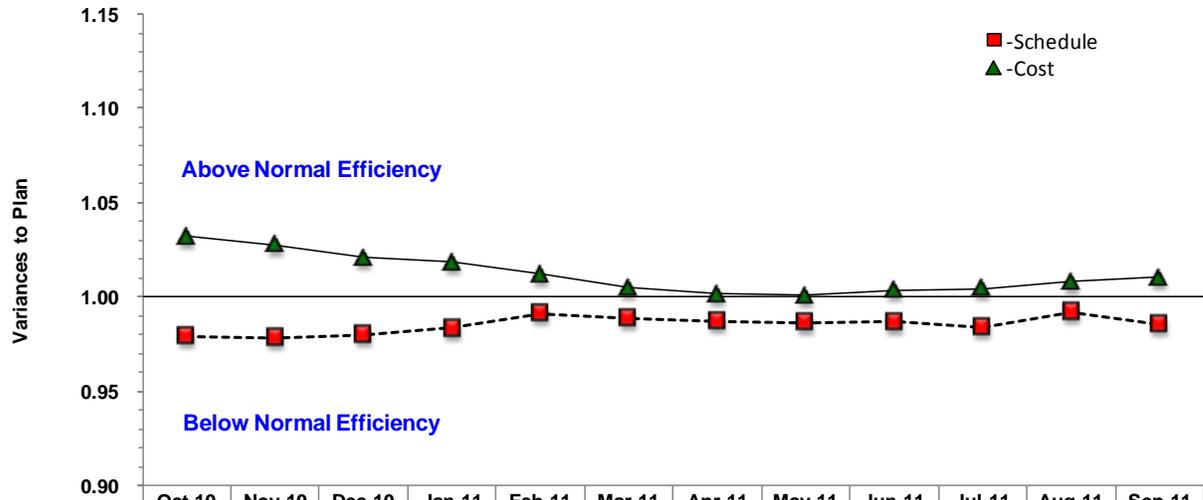
Issue – Roof leaks have developed that require repairs beyond normal patches.

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

Status – Repairs in September continued.

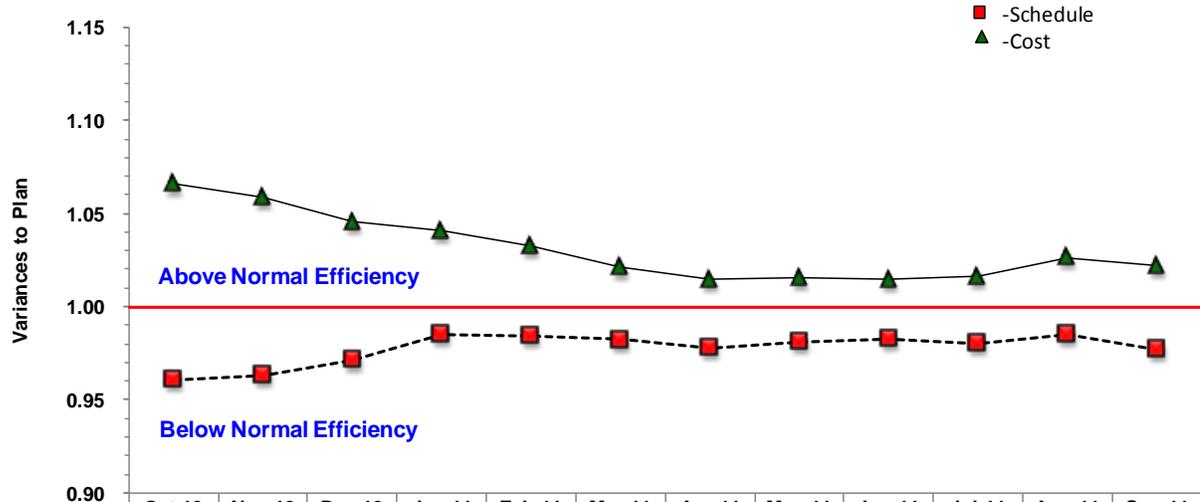
EARNED VALUE MANAGEMENT

Schedule and Cost Performance - ARRA and Base (Rolling 12 Month View)



	Oct-10	Nov-10	Dec-10	Jan-11	Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11
MONTHLY SPI	1.10	0.96	1.02	1.09	1.25	0.94	0.95	0.98	0.99	0.91	1.29	0.88
MONTHLY CPI	0.93	0.94	0.89	0.96	0.87	0.88	0.94	0.98	1.07	1.03	1.12	1.06
--■-- CTD SPI	0.98	0.98	0.98	0.98	0.99	0.99	0.99	0.99	0.99	0.98	0.99	0.99
—▲— CTD CPI	1.03	1.03	1.02	1.02	1.01	1.00	1.00	1.00	1.00	1.00	1.01	1.01

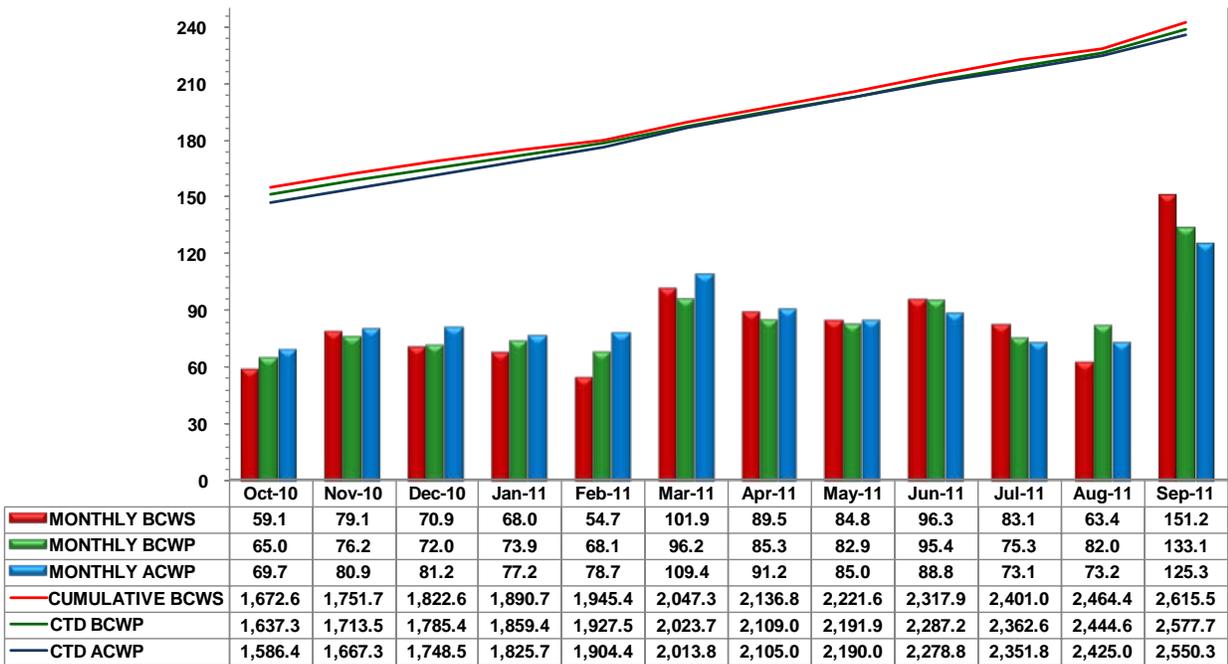
Schedule and Cost Performance - ARRA (Rolling 12 Month View)



	Oct-10	Nov-10	Dec-10	Jan-11	Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11
MONTHLY SPI	1.11	1.01	1.17	1.31	0.98	0.95	0.90	1.04	1.01	0.93	1.10	0.85
MONTHLY CPI	0.93	0.94	0.84	0.96	0.90	0.87	0.90	1.03	1.01	1.04	1.31	0.95
--■-- CTD SPI	0.96	0.96	0.97	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.99	0.98
—▲— CTD CPI	1.07	1.06	1.05	1.04	1.03	1.02	1.01	1.02	1.02	1.02	1.03	1.02

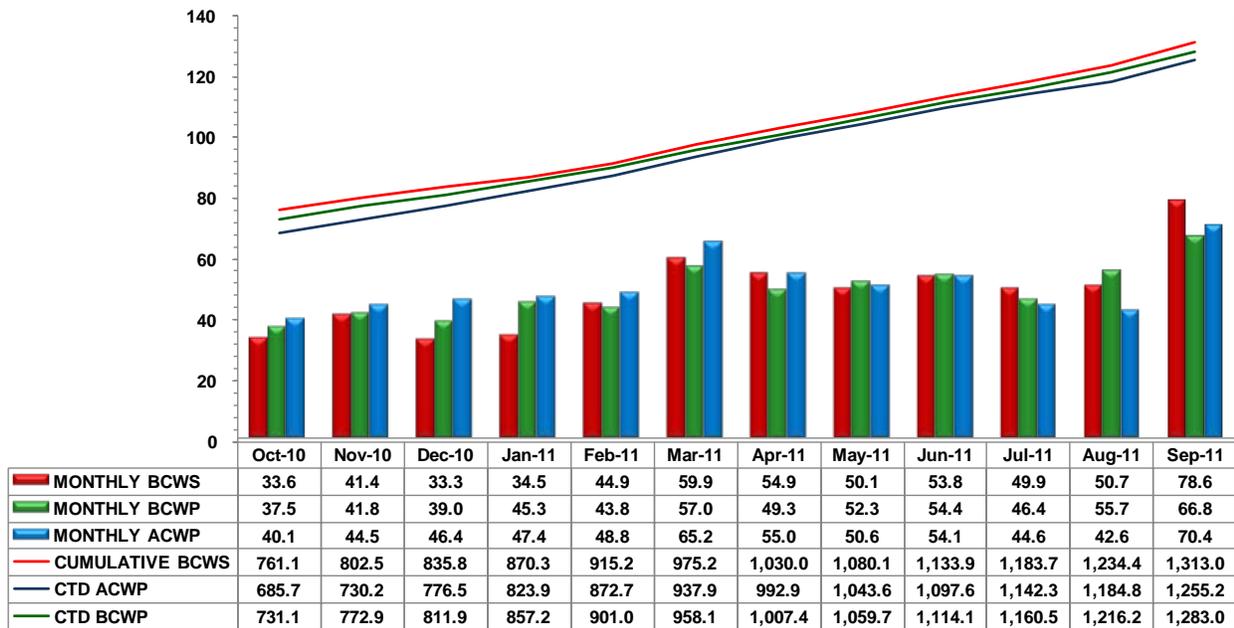
Schedule and Cost Performance - ARRA and Base

Bars: Current Month (\$M) Lines: Contract To Date (\$M)



Schedule and Cost Performance - ARRA

Bars: Current Month (\$M) Lines: Contract To Date (\$M)



Performance Analysis – September

ARRA Performance by PBS

	\$M				
	Current Period				
	Budgeted Cost		Actual Cost ACWP	Variance	
	BCWS	BCWP		Schedule	Cost
RL-0011 - PFP D&D	24.6	16.1	14.8	(8.5)	1.3
RL-0013 - MLLW Treatment	2.0	2.7	2.6	0.7	0.2
RL-0013 - TRU Waste	21.7	18.9	25.2	(2.8)	(6.4)
RL-0030 - Cleanup Operations	9.1	8.0	5.3	(1.2)	2.6
RL-0030 - Well Drilling Operations	4.7	2.6	2.5	(2.1)	0.1
RL-0030 - Support Operations	0.8	0.8	1.2	0.0	(0.4)
RL-0040 - U Plant/Other D&D	9.1	11.5	9.0	2.4	2.5
RL-0040 - Outer Zone D&D	2.4	1.6	2.1	(0.8)	(0.5)
RL-0041 - 100K Area Remediation	4.1	4.7	7.8	0.5	(3.1)
Total	78.6	66.8	70.4	(11.8)	(3.6)

ARRA

The Current Month unfavorable Schedule Variance: (-\$11.8M/-15.0%) reflects:

- The RL-0011 negative variance (-\$8.5M) is due to the following:
 - Primarily a result of a three-week work restriction of D&D activities, due to loss of normal ventilation, workforce restructuring, and deferred D&D work resulting from resources reassigned to focus on higher priority KPP glovebox removal work scope.
- The RL-0013 positive variance (-\$2.1M) reflects the following subproject performance:
 - RL-0013 MLLW Treatment (+\$0.7M) The positive variance is due to schedule recovery for M-91-43 and M-91-42 MLLW waste treatment.
 - RL-0013 TRU Waste (-\$2.8M) The negative variance is due to TRU Retrieval Point of Generation shipments scheduled to and from Perma-Fix Northwest for this month that were completed in a prior period, TRU Retrieval planned layup activities behind schedule, and T Plant layup schedule delay associated with drum compactor activities.
- The RL-0030 negative variance (-\$3.3M) that exceed the reporting thresholds reflect the following subproject performance:
 - ARRA RL-0030.R1.1 Cleanup Operations (-\$1.2M) 200-ZP-1 OU - 200W P&T construction is performing ahead of the baseline schedule. The negative variance in the current month is the result of previously completed work.
 - ARRA RL-0030.R1.2 Well Drilling Operations (-\$2.1M) 200-ZP-1 OU - 200W P&T construction was performed ahead of the baseline schedule. The negative variance in the current month is the result of previously completed work.

- ARRA RL-0030.R1.3 Support Operations (\$+0.0M) positive variance is within threshold.
- The RL-0040 positive variance (+\$1.6M) is within reporting thresholds and reflects the following subproject performance:
 - ARRA RL-0040.R1.1 U Plant/Other D&D (+\$2.4M) The positive variance is within reporting thresholds.
 - ARRA RL-0040.R1.2 Outer Zone D&D (-\$0.8M) The negative variance is within reporting thresholds.
- The RL-0041 positive variance (+\$0.5M) is within reporting thresholds.

The Current Month unfavorable Cost Variance (-\$3.6M/-5.4%) reflects:

- The RL-0011 positive variance (+\$1.3M) is due to the following:
 - Primarily a result of year-end liquidation of overhead and G&A pools.
- The RL-0013 negative variance (-\$6.2M) is due to the following subproject performance:
 - RL-0013 MLLW Treatment (+\$0.2M) The positive variance is due to lower labor support and contract costs than planned.
 - RL-0013 TRU Waste (-\$6.4M) The negative variance is due to delayed cost transfer of Central Waste Complex (CWC) Base and Min-Safe Operations from Base to ARRA (BCR was implemented in August and corresponding cost transfers processed in September) and allocation of Work Force Restructuring costs.
- The RL-0030 positive variance (+\$2.3M) that exceed the reporting thresholds reflect the following subproject performance:
 - ARRA RL-0030.R1.1 Cleanup Operations (+\$2.6M) 200-ZP-1 OU - 200W P&T final contract accruals for the period were made based on the fully negotiated change orders to contracts and the amount of remaining funds available.
 - ARRA RL-0030-R.1.2 GW Operations (+\$0.1M) The positive variance is within reporting thresholds.
 - ARRA RL-0030.R1.3 Support Operations (-\$0.4M) The negative variance is within reporting thresholds.
- The RL-0040 positive variance (+\$2.0M) that reflects the following subproject performance:
 - ARRA RL-0040.R1.1 U Plant/Other D&D (+\$2.5M) The positive variance is due to sub-contracts costs for 200W Project and U Canyon were lower than anticipated this period.
 - ARRA RL-0040.R1.2 Outer Zone D&D (-\$0.5M) The negative variance is within reporting thresholds.
- The RL-0041 negative variance (-\$3.1M) is due to the following:
 - Waste Sites (+\$0.5M) The positive variance is within reporting thresholds.
 - 100K Area Project Facilities and Others (-\$3.6M) The negative cost variance is due to high costs for KW Basin Debris removal, and cost transfers from Base processed during the month for 1706K, 1706KER and 181KW Pump House that moved costs from prior months to September.

Base Performance by PBS

	\$M				
	Current Period				
	Budgeted Cost		Actual Cost	Variance	
	BCWS	BCWP	ACWP	Schedule	Cost
RL-0011 - Nuclear Materials Stab & Disp PFP	6.3	5.6	6.3	(0.7)	(0.7)
RL-0012 - SNF Stabilization & Disposition	10.6	9.5	7.3	(1.1)	2.2
RL-0013 - Solid Waste Stab & Disposition	19.0	18.5	10.3	(0.4)	8.3
RL-0030 - Operations	16.0	16.6	17.6	0.6	(1.0)
RL-0030 - GW Remedy Implementation	4.9	2.1	8.8	(2.8)	(6.6)
RL-0040 - Nuc Fac D&D - Remainder	3.7	3.8	2.9	0.2	1.0
RL-0041 - Nuc Fac D&D - RC Closure Project	11.8	9.8	1.6	(2.1)	8.2
RL-0042 - Nuc Fac D&D - FFTF Project	0.3	0.4	0.2	0.1	0.2
Total	72.6	66.3	54.9	(6.3)	11.4

Base

The Current Month unfavorable Schedule Variance (-\$6.3M/-8.7%) reflects:

- The RL-0011 negative variance (-\$0.7M) is due to the following:
 - PRF D&D delays, resulting from reassigned field work teams, failure of the canyon crane, the loss-of-normal-ventilation work restriction, and workforce restructuring.
- The RL-0012 negative variance (-\$1.1M) is due to the following:
 - Impacts from workforce restructuring causing “bump and roll” effect among key personnel causing retraining of replacements is resulting in impacts to the loading and processing of MCOs. The negative variance was also impacted by settler tube sampling and analysis and updating of KBC databook performed ahead of schedule with BCWS in the current period.
- The RL-0013 negative variance (-\$0.4M) is within reporting thresholds. The negative variance is due to delays in CSB, WESF, and ETF engineering activities due to resource availability.
- The RL-0030 negative variance (-\$2.2M) The primary contributors that exceed the reporting thresholds reflect the following subproject performance:
 - RL-0030.01 RL 30 Operations (+\$0.6M) positive variance is due to the following:
 - 100 NR-2 Operable Unit (+\$2.0M) The positive variance has resulted from performing barrier expansion and sampling support that was planned in FY2013 in FY2011.
 - 100 HR-3 Operable Unit (-\$0.7M) 100HX P&T construction has performed work ahead of schedule, the negative variance is the result of BCWS in the CM for work completed in previous periods.
 - 200 UP-1 Operable Unit (-\$0.7M) The negative variance is due to contractual issues with the S-SX construction subcontractor. The continuation of construction activities has been delayed pending resolution of contractor’s increased estimate to complete the project.

- RL-30 Regulatory Decisions and Closure Integration (-\$0.3M) The primary contributor to the negative variance is work planned in September for the SW-2 Work Plan that was completed early in prior months. The SW-2 work plan remains ahead of schedule and is expected to complete about two months early.
- o RL-0030.C1 GW Remedy Implementation (-\$2.8M) negative variance is due to the following:
 - 200 ZP-1 Operable Unit (-\$2.8M) The negative variance is due to delays associated with Sludge Stabilization System subcontractor submittals, fair cost estimates, award of contracts and design changes.
- The RL-0040 positive variance (+\$0.2M) is within reporting thresholds.
- The RL-0041 negative variance (-\$2.1M) is due the following:
 - o Waste Sites (-\$2.6M) The negative variance is primarily due to delays higher than expected levels of contamination forcing a strategic pause and re-evaluation of the path forward for waste sites in the 105KE fuel storage basin and for performance earned in prior months.
 - o 100K Area Project Facilities and Others (+\$0.5M) The positive variance is within reporting threshold.
- The RL-0042 positive variance (+\$0.1M) is within reporting thresholds.

The Current Month favorable Cost Variance (+\$11.4M/+17.1%) reflects:

- The RL-0011 negative variance (-\$0.7M) is primarily due to the costs associated with loss of normal ventilation and costs to address the PRF canyon crane failure. The cost associated with loss of normal ventilation includes additional exhaust fan maintenance and the down-time of impacted D&D resources unable to perform work in their normal assigned location.
- The RL-0012 positive variance (+\$2.2M) is due to G&A distribution and Direct Distributable accounts below budget for the period and reduced resource costs for support to MCO packaging as work was slowed due to workforce restructuring.
- The RL-0013 positive variance (+\$8.3M) is due to transfer of CWC Base and Min Safe Operations costs from BASE to ARRA (BCR was implemented in August and associated cost transfers processed in September) and lower overheads than planned.
- The RL-0030 negative variance (-\$7.6M) The primary contributors that exceed the reporting thresholds reflect the following subproject performance:
 - o RL-0030.01 RL 30 Operations (-\$1.0M) The negative variance is due to the following:
 - Drilling (-\$0.5M) Radiological contamination encountered on two NR-2 wells has caused additional HPT delays and additional support resource requirements (HPTs). In order to recover schedule and complete the wells by the end of the fiscal year, additional well drilling rigs have been used, resulting in additional overruns to the project. Also, cost for remaining casing at the completion of the project was accrued as it cannot be released to the contractor.
 - 100 NR-2 Operable Unit (+\$0.5M) The positive variance is due to efficiencies obtained in performing the recent barrier expansion scope.
 - 100 HR-3 Operable Unit (-\$1.7M) The 100HX ATP and construction closeout costs were greater than the budgeted amount for this work scope.
 - PBS RL-30 Regulatory Decision & Closure Integration (+\$0.3M) The positive variance is due to implementation of BCR-030-11-017R0 'Bioassay Activities Change Order 135, Mod

177' in September which resulted in a BCWS/BCWP point adjustment. There is no impact to overall project cost for Bioassay work scope.

- RL-30 UBS, G&A, and Direct Distribution (+\$0.3M) The positive variance is discussed in Appendix C.
- PBS RL-30 Regulatory Decision & Closure Integration (+\$0.3M) The two primary drivers for the underrun are efficiencies obtained in completing outer area work scope and over reporting of performance for the IS-1 baseline. The status will be corrected in September and the project will remain with a positive CTD cost variance.
- o RL-0030.C1 GW Remedy Implementation (-\$6.6M) The negative variance is due to:
 - 200-ZP-1 Operable Unit (-\$6.6M) The negative variance is associated with the CHPRC accrued costs for Construction Contractors completed work scope defined in Change Notifications which are in the process of definitization. The costs are associated with the resources expended to complete the P&T facility by the end of FY2011 including added shifts, overtime, and logistics of working parallel activities. The negative cost variance was partially offset by cost correction that was processed in September that resulted in the positive variance within ZP-1 Operations and Maintenance.
- The RL-0040 positive variance (+\$1.0M) is within reporting thresholds.
- The RL-0041 positive variance (+\$8.2M) is primarily due to the following:
 - o Waste Sites (+\$2.5M) The positive variance is due to additional performance taken to better align with progress in the field partially offset by additional sampling required for waste site closure, decontamination and demobilization costs for the end of the fiscal year, and cost transfers to ARRA processed during the month.
 - o 100K Area Project Facilities and Others (+\$5.7M) The positive variance is due to the processing of cost transfers for 1706K, 1706KER, and 181KW River Pump House that removed the costs from prior months and moved to ARRA and additional performance taken to better align with the progress in the field.
- The RL-0042 positive variance (+\$0.2M) is within reporting thresholds.

Performance Analysis – Contract to Date

ARRA Performance by PBS

	\$M					Contract Period		
	Contract to Date			Actual Cost	Variance	BAC	EAC	Variance
	Budgeted Cost		ACWP					
	BCWS	BCWP		Schedule	Cost			
RL-0011 - PFP D&D	282.8	261.4	265.5	(21.4)	(4.0)	287.8	271.0	16.7
RL-0013 - MLLW Treatment	47.7	46.3	41.4	(1.3)	4.9	50.1	43.0	7.1
RL-0013 - TRU Waste	254.8	254.4	251.8	(0.4)	2.5	256.7	253.7	3.0
RL-0030 - Cleanup Operations	175.0	175.0	174.4	0.0	0.6	175.0	175.0	0.1
RL-0030 - Well Drilling Operations	40.7	40.7	38.3	0.0	2.4	40.7	38.3	2.4
RL-0030 - Support Operations	51.4	51.4	51.1	(0.0)	0.3	51.4	51.1	0.3
RL-0040 - U Plant/Other D&D	197.9	195.5	186.4	(2.4)	9.1	200.4	188.9	11.5
RL-0040 - Outer Zone D&D	89.1	84.7	71.5	(4.4)	13.1	89.1	71.5	17.5
RL-0041 - 100K Area Remediation	173.7	173.6	174.9	(0.1)	(1.3)	176.3	177.6	(1.2)
Total	1,313.0	1,283.0	1,255.2	(30.0)	27.7	1,327.6	1,270.1	57.5

ARRA

The CTD unfavorable Schedule Variance (-\$30.0M/-2.3%) is within reporting thresholds and reflects:

- The RL-0011 negative variance (-\$21.4M) is due to delays in completing D&D of 234-5Z and deferred D&D work resulting from resources reassigned to focus on higher priority KPP glovebox removal work scope. The 234-5Z process and lab area D&D delays are a result of contamination events, more stringent radiological controls, ventilation event, workforce restructuring, and complexity of work.
- The RL-0013 negative variance (-\$1.7M) is due to the following subprojects:
 - RL-0013 MLLW Treatment (-\$1.3M) The negative variance is due to delay in receipt of M-91-42 feed from TRU Retrieval (shift to Retrieval trench with higher percentage of TRU waste). BCR will move M-91-42 TRU Retrieval MLLW dropouts to occur in conjunction with the resumption of TRU Retrieval.
 - RL-0013 TRU Waste (-\$0.4M) The negative variance is the result of the delay of TRU Retrieval layup activities due to focus on ARRA KPP goals.
- The RL-0030 positive variance (+\$0.0M) is due to the following subproject performance:
 - RL-0030.R1.1 Cleanup Operations (+\$0.0M) The positive variance is within threshold.
 - RL-0030.R1.2 Well Drilling Operations (+\$0.0M) The positive variance is within threshold.
 - ARRA RL-0030.R1.3 Support Operations (-\$0.0M) The negative variance is within threshold.
- The RL-0040 negative variance (-\$6.8M) primary contributors that exceed the reporting thresholds are as follows:
 - RL-0040.R1.1 U Plant/Other D&D (-\$2.4M) The negative variance is due to delays with the 209-E Project.
 - RL-0040.R1.2 Outer Zone D&D (-\$4.4M) The negative variance is primarily due to the waste sites in ARRA that need to be moved to base to support the priority of footprint reduction.

- The RL-0041 negative variance (-\$0.1M) is within reporting thresholds and is due to the following:
 - Waste Sites (+\$0.0M) – The positive variance is within reporting thresholds.
 - 100K Area Project (-\$0.1M) – The negative variance is within reporting thresholds.

The CTD favorable cost variance (+\$27.7M/+2.2%) is within reporting thresholds and reflects:

- The RL-0011 negative variance (-\$4.0M) is within reporting thresholds.
- The RL-0013 positive variance (+\$7.4M) reflects the following subproject performance:
 - RL-0013 MLLW Treatment (+\$4.9M) The positive variance is due to Mixed Low Level Waste costs below plan due to efficiencies created by treating waste at Energy Solutions (ES) - Clive rather than planned treatment at PermaFix Northwest (PFNW) due to a waiver received from the Department of Energy (DOE), ERDF negotiated rate reduction with vendor for waste containers, decreased operations costs at Low Level Burial Grounds (LLBG), efficiencies in Large Type A waste container shipments to PFNW and in Mixed Waste Disposal Trenches (MWDT) upgrades, partially offset by higher costs for ETF Containment Berm repairs.
 - RL-0013 TRU Waste (+\$2.5M) The positive cost variance due to efficiencies in TRU Characterization and Shipping, TRU Repackaging, T-Plant and WRAP, partially offset by increased materials and labor costs in support of the Trench Face Retrieval and Characterization System (TFRCS), coupled with increased resources for TRU Retrieval deteriorated waste containers, increased allocations for additional office space and other assessments as a result of allocations to Recovery Act expenditures.
- The RL-0030 positive variance (+\$3.4M) reflects the following subproject performance:
 - RL-0030.R1.1 Cleanup Operations (+\$0.6M) negative variance can be attributed to the following:
 - 100-HR-3 Operable Unit (-\$0.8M) 100DX is the result of increased installation costs on the pH adjustment system, the impacts of weather on completing construction punch-list items, and the Acceptance Test Plan for the facility/process.
 - 200-ZP-1 Operable Unit (+\$1.9M) Final contract accruals were made based on the fully negotiated change orders to contracts and the amount of remaining funds available, resulting in a positive variance.
 - RL-0030.R1.2 Well Drilling Operations (+\$2.4M) The positive variance is due to efficiencies and savings obtained in drilling for 100-NR-2 and 200-BP-5 wells. Cost efficiencies have been obtained through an aggressive drilling schedule with savings in support personnel and faster drilling methods. Well decommissionings have also been completed for less than planned.
 - ARRA RL-0030.R1.3 Support Operations (+\$0.3M) The positive variance is due to the following:
 - Regulatory Decision and Closure Integration (+\$1.7M) is due to completing work scope more efficiently than planned, primarily in the areas of multi-incremental sampling (using existing documentation and direct haul rather than staging), and borehole drilling and landfill characterization (competitive subcontracting of drilling support and efficient field support).
 - Ramp-up and Transition (-\$1.9M) negative variance was driven by increased Project Services Distribution to RL-0030.
- The RL-0040 positive variance (+\$22.2M) reflects the following subproject performance:

- ARRA RL-0040.R1.1 U Plant/Other D&D (+\$9.1M) The positive variance is largely due to favorable performance of the Cold and Dark teams and the Sampling and Characterization/Waste Identification Form teams (D4) (+\$4.2M), overhead allocations (+\$11.5 M), less for Program Management than planned (+\$2.4M), less resources than planned for C-3 Sampling (+\$0.7M), lower than planned costs for capital equipment (D4) (+\$3.0M), less asbestos abatement required for 200W buildings (+\$3.5M), offset by increased material and equipment costs, increased use of masks and respirators due to the unexpected asbestos levels in the ancillary buildings in U Ancillary (D4) (-\$8.1M), coupled with increased insulator staff and overtime to recover schedule, 200E Administration (-\$1.7M) and 209E Project delays (-\$4.7M), additional resources being applied at U Canyon (D4) to regain schedule (+\$0.7M), Usage Based Services (-\$3.1M), and minor accounts not within threshold (+\$0.7M).
- ARRA RL-0040.R1.2 Outer Zone D&D (+\$13.1M) The positive variance is due to efficiencies in Arid Lands Ecology (ALE), North Slope Facilities, disposition of railcars D&D (+\$7.0M), and Outer Area waste sites (+\$7.2M). The waste site favorable cost-to-date variance is primarily due to an O-Zone Remove, Treat, and Dispose (RTD) Waste Sites adjustments (pass back) to ERDF waste disposal costs reflecting the operational efficiencies of the super dump trucks. Within the waste sites area, this favorable cost variance is partially offset by higher than planned costs associated with remediation of pipelines. A negative cost variance is associated with increased costs for the 212N/P/R Project (-\$1.1M) due to the walls of the basins being much thicker than estimated.
- The RL-0041 negative variance (-\$1.3M) is due to the following:
 - Waste Sites (+\$8.4M) – The positive variance is due to Confirmatory Sampling No Action (CSNA) sites that were completed at less than anticipated cost. This is partially offset by greater than anticipated extent and severity of contamination on many waste sites resulting in more tons disposed and more controls required, thus higher than anticipated cost.
 - 100K Area Project (-\$9.7M) – The negative variance is due to numerous design changes and additional punch list items in the Utilities Reroute project; the project has been utilizing more vehicles and equipment than was planned and Project Management continues to reflect increased charges for labor and materials.

Base Performance by PBS

	\$M							
	Contract to Date					Contract Period		
	Budgeted Cost		Actual Cost	Variance				
	BCWS	BCWP	ACWP	Schedule	Cost	BAC	EAC	Variance
RL-0011 - Nuclear Materials Stab & Disp PF P	159.1	156.9	159.9	(2.2)	(3.1)	347.2	369.7	(22.6)
RL-0012 - SNF Stabilization & Disposition	250.8	249.2	249.8	(1.6)	(0.7)	606.0	605.1	0.9
RL-0013 - Solid Waste Stab & Disposition	314.3	313.5	322.0	(0.8)	(8.5)	1,599.5	1,607.7	(8.2)
RL-0030 - Operations	375.1	374.3	382.4	(0.8)	(8.1)	1,225.8	1,246.6	(20.7)
RL-0030 - GW Remedy Implementation	45.4	41.7	43.8	(3.6)	(2.1)	62.5	69.7	(7.2)
RL-0040 - Nuc Fac D&D - Remainder	68.7	68.7	60.6	0.0	8.0	734.6	726.6	8.0
RL-0041 - Nuc Fac D&D - RC Closure Project	77.2	78.4	65.6	1.2	12.8	351.5	340.0	11.6
RL-0042 - Nuc Fac D&D - FFTF Project	12.0	12.0	10.8	0.0	1.2	25.6	24.4	1.2
Total	1,302.5	1,294.7	1,295.1	(7.8)	(0.4)	4,952.7	4,989.7	(37.0)

Base

The CTD unfavorable Schedule Variance (-\$7.8M/-0.6%) is within reporting thresholds and reflects:

- The RL-0011 negative variance (-\$2.2M) is within reporting thresholds.
- The RL-0012 negative variance (-\$1.6M) the combined 100K and STP variances are within reporting thresholds.
- The RL-0013 negative variance (-\$0.8M) is within reporting threshold. The negative variance is due to Canister Storage Building (CSB) engineering activities delayed due to resource availability (assigned to higher priority activities); partially offset by accelerated WRAP high-efficiency particulate air (HEPA) filter replacement (scheduled for FY2013).
- The RL-0030 negative variance (-\$4.4M) reflects the following subproject performance:
 - RL-0030.01 RL 30 Operations (-\$0.8M) The negative variance is due to:
 - 100 NR-2 Operable Unit (+\$1.7M) The positive variance has resulted from performing barrier expansion and sampling support that was planned in FY2013 in FY2011.
 - RL-0030.C1 GW Remedy Implementation (-\$3.6M) The negative variance is within reporting threshold.
 - 200 ZP-1 Operable Unit (-\$3.6M) The negative variance is due to delays associated with Sludge Stabilization System subcontractor submittals, fair cost estimates, award of contracts and design changes.
- The RL-0040 positive variance (+\$0.0M) is within reporting thresholds.
- The RL-0041 positive variance (+\$1.2M) is due to the following:
 - Waste Sites (+\$1.2M) – The positive variance is due to CSNA sites that were completed ahead of schedule partially offset by delays related to demolition of the 105KE Fuel Storage Basin discharge chute and the 100K Area utility switchover.
 - 100K Area Project (+\$0.0M) – The positive variance is within reporting thresholds.
- The RL-0042 positive variance (+\$0.0M) is within reporting thresholds.

The CTD unfavorable Cost Variance (-\$0.4M/-0.0%) is within reporting thresholds and reflects:

- The RL-0011 negative variance (-\$3.1M) is within reporting thresholds.
- The RL-0012 negative variance (-\$0.7M) The combined 100K and STP variances are within reporting thresholds.
- The RL-0013 negative variance (-\$8.5M) is due to:
 - MSA assessments above plan, TRU Retrieval additional resources to deal with deteriorated containers and drum wedge issue, FY2009 WRAP facility increased levels of corrective and preventive maintenance activities as a result of repack operations, increased labor and subcontractors support for Transportation and Packaging; partially offset by efficiencies in Liquid Effluent Facility (LEF), MLLW, TRU Disposition, TRU Repackaging, Interim Storage Area upgrades, Capsule Storage and Disposition, Mixed Waste Disposal Trenches (MWDT) and lower G&A allocations.
- The RL-0030 negative variance (-\$10.2M) primary contributors that exceed the reporting thresholds are as follows:
 - RL-0030.01 RL 30 Operations (-\$8.1M) The negative variance can be attributed to:
 - Integration & Assessments (+\$3.8M) Less subcontractor support required for Central Plateau strategy development and integration, Sample Management and Reporting has performed work scope more efficiently than planned, less cleanup document reviews were required than originally planned, requiring less contract support. Also efficiencies/savings were realized in establishing document templates, reviewing procedures, and software procurements.
 - Drilling (-\$2.2M) Radiological contamination encountered on two NR-2 wells has caused additional HPT delays and additional support resource requirements (HPTs). In order to recover schedule and complete the wells by the end of the fiscal year additional well drilling rigs have been used, resulting in additional overruns to the project. Also, cost for remaining casing at the completion of the project was accrued as it cannot be released to the contractor.
 - 100-NR-2 OU (+\$2.2M) Chemical treatment and maintenance scope, jet grouting pilot test work, RI/FS Work Plan and Interim Proposed Plan Reporting were performed more efficiently than planned leading to the positive variance.
 - 100 HR-3 Operable Unit (-\$4.6M) Primary contributors to the negative cost variance are due to 100 DX extensive effort required to design the pH adjustment system, cost overruns in completing the OU Remedial Process Optimization studies, 100 DX unplanned modifications on the system after completion of construction and higher than expected cost to complete acceptance test plan and the operational test plan, cost of realigning wells from DR-5 to 100 DX, 100 HX Construction cable cost increased due to increases in copper prices and additional time and resources being spent on internal CERCLA (RI/FS) document development that will be recovered in completed Draft A document.
 - Usage Based Services (-\$1.5M) Increased cost associated with training due to the additional ARRA work in FY2010 and fleet services costs that occurred in FY2009 and FY2010. Overruns will continue to be funds-managed within the S&GRP project.
 - Additional variances include Ramp-up and Transition (-\$2.8M) and G&A Direct distributables (-\$2.9M).
 - RL-0030.C1 GW Remedy Implementation (-\$2.1M) the negative variance can be attributed to:

- 200-ZP-1 Operable Unit (-\$2.1M) The negative variance is due to 200W P&T construction associated with the CHPRC accrued costs for Construction Contractors completed work scope defined in Change Notifications which are in the process of definitization. The costs are associated with the resources expended to complete the P&T facility by the end of FY2011 including added shifts, overtime, and logistics of working parallel activities. Interim Operations reflects significant progress and cost underruns achieved to date for System Calibration, design of the permanent hookup of well EW-1 was lower than planned as only minor changes were needed to an existing design, cost for performing general operating and maintenance and minor modification activities have been lower than planned as the system has been running smoothly, cost for collecting depth-discrete groundwater and soil samples during the installation of new wells was less than planned, 200W Pump-and-Treat Remedial Design/Remedial Action work plan and preliminary design activities were completed with fewer resources than planned.
- The RL-0040 positive variance (+\$8.0M) is primarily due to recognized efficiencies for demolition of the Industrial 7 Project (D4) (+\$1.1M) as a result of utilization of existing site equipment and materials, surveillance and maintenance costs (D4) less than expected (+\$1.9M), completion of the sampling of Cell 30 with less resources than planned (+\$0.9M), Program Management utilizing less resources (+\$2.2M), capital equipment (+\$0.3M), Usage Base Services (-\$0.4M), and underrun in overhead allocations (+\$2.0M).
- The RL-0041 positive variance (+\$12.8M) cost variance is within established reporting thresholds. The project is currently experiencing impacts associated with:
 - Waste Sites (+\$10.3M) The positive variance is due to CSNA sites that were completed at less than anticipated cost. This is partially offset by greater than anticipated extent and severity of contamination on many waste sites resulting in more tons disposed and more controls required, thus higher than anticipated cost, as well as level-of-effort activities bearing additional costs for increased functional group support.
 - 100K Area Project (Facilities and Others) (+\$2.5M) The positive variance is within threshold.
- The RL-0042 positive variance (+\$1.2M) reflects reduction in surveillance and maintenance requirements as the facility deactivation reached completion. Efficient use of resources to support deactivation activities with available time further aided in creating this favorable variance.

FUNDING ANALYSIS

FY2011 Funds vs. Spend Forecast (\$M)

PBS	Project	FY 2011		
		Total Funding	Actual Cost	Uncosted
RL-0011	Nuclear Materials Stabilization and Disposition	163.1	129.7	33.4
RL-0013	Waste and Fuels Management Project	162.5	158.0	4.6
RL-0030	Soil, Groundwater and Vadose Zone Remediation	157.6	157.1	0.6
RL-0040	Nuclear Facility D&D, Remainder of Hanford	142.6	133.4	9.2
RL-0041	Nuclear Facility D&D, River Corridor	67.7	61.2	6.5
Total ARRA:		693.6	639.4	54.2
RL-0011	Nuclear Materials Stabilization and Disposition	41.6	38.3	3.3
RL-0012	Spent Nuclear Fuel Stabilization and Disposition	87.6	76.3	11.3
RL-0013	Waste and Fuels Management Project	85.6	84.1	1.5
RL-0030	Soil, Groundwater and Vadose Zone Remediation	181.9	173.4	8.5
RL-0040	Nuclear Facility D&D, Remainder of Hanford	19.4	18.5	0.9
RL-0041	Nuclear Facility D&D, River Corridor	51.4	35.1	16.3
RL-0042	Fast Flux Test Facility Closure	2.4	2.1	0.3
Total Base:		469.9	427.8	42.1

Funds/Variance Analysis:

Final year-end funding obligations provided an increase to expected funding of \$0.9M in Base PBS RL-0040.

BASELINE CHANGE REQUESTS

In September 2011, CHPRC approved and implemented nine (9) baseline change requests (BCRs), of which two (2) were administrative in nature and did not change budget, schedule or scope. The nine change requests are described in the table below:

Change Request #	Title	Summary of Change
Implemented into the Earned Value Management System for September 2011		
BCR-000-11-003R0	<i>Definitize Change Order #83, Contract Modification 152, Beryllium</i>	<p>Contract modification 152 (Attachment 1) definitizes the scope as proposed in Change Order #83. This change request incorporates the negotiated scope and budget in response to the interim actions resulting from the U.S. Department of Energy, Headquarters Safety, Health and Security (HSS) assessment of the Hanford Site Chronic Beryllium Disease Prevention Program:</p> <ol style="list-style-type: none"> 1. Implement facility-specific posting recommendations contained in the HSS beryllium (Be) assessment report, including posting/controlling buildings which are awaiting characterization sampling (provide documentation/ verification of completion of posting activities within 14 calendar days beginning September 7, 2010). 2. All supervisors, planners, and PICs who are involved with work activities involving a Beryllium Work Permit shall complete the existing Be worker training course (to be completed within 60 calendar days beginning September 7, 2010). 3. All supervisors, planners, PICs, managers, and industrial hygienists who are involved with work activities involving a Beryllium Work Permit or who manage beryllium affected workers shall complete the new PIC's, Planners, Supervisors, and Managers training course (to be completed within 240 calendar days beginning September 7, 2010). 4. All supervisors, managers, and industrial hygienists who are involved with work activities involving a Beryllium Work Permit shall complete the new Risk Communication training course (to be completed within 240 calendar days beginning September 7, 2010). 5. Issue a directive to all planning, industrial hygiene, and supervisory personnel stating that previously published lists of beryllium-contaminated or potentially contaminated buildings are not to be used as a basis for work planning without confirming current classifications and status with the contractor's beryllium program subject matter expert or designee (to be completed within seven calendar days beginning September 7, 2010). 6. For characterization purposes, collect wipe samples from building/structure surfaces with no visibly accumulated dust in the locations where a bulk sample is collected. The bulk and wipe sample results shall be evaluated against the criteria in Item 6 below (initiate within seven calendar days beginning September 7, 2010). 7. Investigate building/structure beryllium survey results which meet or exceed 0.1ug/100 cm² for a wipe sample or 1 ppm for a bulk sample per NIOSH 7300 series methodology to identify the extent of potential beryllium contamination. The Independent Beryllium Oversight Team (IBOT) shall be notified within one (1) working day of any results meeting or exceeding these levels. The area in which the potential beryllium contamination was detected shall be re-sampled within three (3) working days, or an alternate time frame coordinated with the IBOT if required due to complexity of sampling, using the MARSSIM process as described in the attachment document entitled "Sampling Protocols for Buildings". The area may be considered beryllium free if the geometric mean of the sample results is less than 1 ppm or 0.1 ug/100 cm², and no sample results

Change Request #	Title	Summary of Change
		<p>meet or exceed 2 ppm or 0.2 ug/100cm². Items 4 and 5 do not apply to outdoor waste sites, which shall continue to comply with the current requirements of the site-wide CBDPP (initiate within seven calendar days beginning September 7, 2010).</p> <p>The task scope actions listed have been accomplished. This change request establishes the appropriate budget in September 2011 for work previously performed under the authority of prior contract modifications. Actual costs collected in WBS 000.17.13.01.02 and WBS 000.17.13.01.05 will be transferred to the specified Project WBSs upon approval of the change request. The method to distribute the budget to the specified Project WBSs is defined in Attachment 2. No additional funds are required in FY 2011 as a result of this change request. There is no use of management reserve.</p>
BCR-R40-11-004R0	<i>U Plant Canyon Disposition</i>	<p>The current performance measurement baseline (PMB) for U-Plant Canyon disposition includes: size reducing equipment, void fill the canyon cells, collapse- in the upper level side walls of the canyon and establish an interim entombment. As a result of enhanced planning, it was determined that entombment could be accomplished without void filling the Operating Gallery. As a result, this change request proposes the movement of the budgeted cost of work scheduled (BCWS), (\$924.8K), represented by the void fill operating gallery scope, to be returned to management reserve in FY2011.</p> <p>Additionally, the scope of this change request includes the tapping, draining and air gapping of process piping conduit in the 221-U Operating, Piping and Electrical galleries. This scope is a realized risk (D4-U-004, U Canyon Technical Approach Changes). The assumption was "Canyon characterization defined in the Canyon Disposition Initiative characterization reports, Date Quality Objective (DQO) and Sample Analysis Plan (SAP) are complete and formed an accurate basis for the technical approach used to develop the estimates." However, the documentation was incomplete and resulted in a the decision to tap, drain and air gap, increasing the cost, thus justifying the draw from management reserve in the amount of \$1,183.0K.</p> <p>This alternative approach for U-Plant Canyon disposition does not constitute a contract change (see Attachment 1).</p> <p>In addition, the titles of schedule activity 40.02.18.02.0430, "Receive and Offload at T Plant," and 40.02.18.02.0425, "Close and Transport D-10 to T Plant," in the PMB have been changed to remove the wording T Plant. While these tasks are already complete, the activity titles are changed to accurately reflect the final disposition location for the Cell 30 tank D-10, which was issued to the Central Waste Complex (CWC), not T-Plant.</p> <p>The net change reflecting the alternative approach to the void fill the operating gallery, and the addition of the tapping, draining and air gapping, results in an net increase for the BCWS of \$258.2K in FY2011. Management reserve is used in the amount of \$258.2K as discussed in Section 19 below. Also, the above scope, both the Cell 30 and U-Plant Operating Gallery, are American Recovery & Reinvestment Act (ARRA) scope. If the approach outlined in this change request is authorized, there is no impact to the current U-Plant Canyon key performance parameter, RL-0040.R1.1U Plant Canyon Ready for Demolition (KPP).</p>
BCR-030-11-017R0	<i>Bioassay Activities per Change Order 135,</i>	<p>This change request incorporates the bioassay scope as definitized in Change Order 135, Contract Modification 177 (see Attachment 1) into the performance measurement baseline (PMB) at a value of \$2.2M. Consistent with the actions identified in Change Order 135, Contract Modification 177, the following</p>

Change Request #	Title	Summary of Change
	<i>Modification 177</i>	<p>changes are made to the PMB:</p> <ul style="list-style-type: none"> Added remaining portion of sampling work. A portion of the sampling work was previously planned under work breakdown structure (WBS) element 030.31.30.04.10.01, schedule activity 030.31.30.04.3400, "Develop Ecological PRGS", at a budgeted cost of work scheduled (BCWS) value of \$867.7K, as implemented in change request BCR-030-11-011R0, "Additional S&GWP FY 2011 Scope Adjustments". The remaining portion is added in this baseline change request. Added activities to conduct bioassay work which supports the River Corridor and Central Plateau ecological risk assessments and the 100/300 Area Remedial Investigation (RI)/Feasibility Study (FS) documents. Added activities for comparing bioassay results to waste sites and to incorporate bioassays, and the interpretation of those bioassays, into the 100/300 Area RI/FS Reports as revised Preliminary Remediation goals (PRGs) with full documentation and justification. In Operable Unit 100-NR-2 no work is available to be deferred and budgeted cost of work scheduled (BCWS) is increased by \$127.2K in FY2012. Remedial Design Report/Remedial Action Work Plan (RD/RAWP) scope is deferred in support of implementation of Contract Modification #177. Summarily, RD/RAWP deferred scope for 100-BC-5, 100-HR-3, 100-FR-3, and 300-FF-5 included (a) preparation of the draft RD/RAWP; (b) DOE review; (c) implementation of comments; (d) regulatory review, and, (e) completion and submittal of Rev. 0. The specific activities deferred are identified in Attachment 2. <p>The difference, \$93.6K, between the basis of estimate detail and the definitized change order value is transferred to management reserve in FY2012.</p>
BCR-R41-11-005R0	<i>100K CENRTC Scope Alignment</i>	<p>This change request proposes an adjustment to Capital Equipment Not Related To Construction (CENRTC) budget in the performance measurement baseline (PMB) for:</p> <ol style="list-style-type: none"> Project reutilization of a decontamination trailer in the 200W area (when the 100K area decontamination trailer is required) has resulted in a efficiency, making it unnecessary to incur the cost of procuring an additional emergency decontamination trailer. Forklift that has been rendered unnecessary through project efficiencies by utilizing existing equipment with different attachments more efficiently. <p>This change request proposes removal of the above CENRTC budgeted cost of work scheduled (BCWS) by point adjustment in September 2011.</p> <p>Management reserve will receive a credit by the CENRTC budget value removed from the PMB in the fiscal year 2011; management reserve is increased in FY2011 as discussed in Section 19 below.</p>
BCR-R41-11-007R0	<i>100K General Site Clean Up, T Plant LDCs</i>	<p>This BCR corrects a previous error by removing the scope for treatment of waste material, contained in a large diameter cask (LDC), at the T Plant facility that was inadvertently planned as American Recovery & Reinvestment Act (ARRA) scope in FY2011. The LDC containers in this change request contain the 105KE basin sand filter which was removed by a prior contractor. This scope was inadvertently added to the PMB.</p> <p>This is a BCWS change only.</p>
BCR-PRC-11-049R0	<i>CHPRC FY 2011 Displaced</i>	<p>The Displaced Worker Medical Benefits (DWM) is a cost that is defined in the Hanford Employee Welfare Trust (HEWT) that provides for continued insurance coverage for up to 3 years for employees that have been laid off or</p>

Change Request #	Title	Summary of Change
	<i>Worker Medical Benefits - Alignment</i>	<p>participated in a Self Select reduction in force. HEWT costs are included in the Continuity of Service adder that is applied to all incumbent labor. The estimated cost for the DWM will be distributed as part of the COS year end over/under liquidation and will be distributed on a labor basis to all CACN's that have labor.</p> <p>The displaced worker medical costs were not planned as part of the COS rate for FY2011.</p>
BCR-PRC-11-050R0	<i>CHPRC FY2011 Workforce Restructuring</i>	<p>This change request incorporates the definitized delta value between the original estimate and the actual data, based upon the actual number of employees affected by the Involuntary Reduction of Force that occurred in September 2011.</p> <p>The original estimate of severance costs between ARRA and Base was developed by CHPRC Finance and was used as the basis for establishing the baseline values implemented by BCR-PRC-11-040R0 in August 2011.</p> <p>DOE RL Letter 11-FMD-0092, dated July 5, 2011, required CHPRC to allocate WFR costs to available American Recovery and Reinvestment Act (ARRA) or Base funding sources apportioned based on the employee's years of service under each funding source.</p> <p>No additional funds are required as a result of this change request. There is no use of management reserve.</p>
BCRA-PRC-11-045R0	<i>Administrative & Schedule Coding Changes for September 2011</i>	<p>The following administrative changes are made for September 2011:</p> <ol style="list-style-type: none"> 1. The SCHDLR-GLB codes in Primavera™ P6 are changed as noted for the following level 2 work breakdown structure (WBS) levels: 030.01 - changed from Carol Armstrong to Shauna Sanders; 030.04 - changed from Carol Armstrong to Shauna Sanders; 030.90 - changed from Carol Armstrong to Shauna Sanders; 030.10 - changed from Bruce Lang to Scott Krupp; 030.14 - changed from Bruce Lang to Scott Krupp; 030.32 - changed from Bruce Lang to Scott Krupp; and, 030.33 - changed from Bruce Lang to Scott Krupp. 2. Change request BCR-PRC-11-039R0, "FY2012 Annual PMB Update", adjusted activities associated with the 200-W Pump & Treat Facility to align with the not-to-exceed (NTE) limit of \$8.0M in Change Order # 72. This change was consistent with an email received Thursday, August 11, 2011 from Bryan Foley stating that the 200-W P&T Baseline Schedule will not exceed the NTE. This administrative change request moves the associated budgeted cost of work scheduled (BCWS) for the FY 2012 CE Sum-other direct costs resource and negative values from the individual activities into new activities. This re-alignment of the CD resource allows the tracking of the remaining resources from an earned value management system (EVMS) standpoint. There is no change to annual budget at the control account level for FY 2012. WBSs affected by this change are: 030.23.01.01.01 – ZP-1 Project Management; 030.23.02.01.01.03 – 200-ZP-1 Fieldwork and Laboratory Analysis; 030.23.03.01.01.03 – 200-ZP-1 P&T Operations; 030.23.03.01.01.04 – 200-ZP-1 P&T Preventative & Corrective Maintenance; and, 030.23.03.01.01.05 – 200-ZP-1 Process Monitoring. See Attachment 1 for the Before & After schedule for this change. CEIS datasheets are also created to support the changes identified in this area. There is no change to the WBS Dictionaries in this area. 3. This change request also moves the identified work scope from WBS element 030.06.07.01.02, "GW Data Evaluation & Reporting" to new lower level WBSs redistributing the scope throughout these new WBS elements

Change Request #	Title	Summary of Change
		<p>@ level-6 to allow for more discrete earned value management reporting. See Attachment 2 for the split-out information associated with the change. New CEIS datasheets are also created to support the new WBS elements and the new resource splits. There is no change to the WBS Dictionaries in this area. See Attachment 1 for the Before & After schedule for this change. See also the Backup detail files associated with how the resources were split from one WBS element to multiple WBS elements.</p> <p>4. Due to the changes discussed in Items 2 and 3, COBRA reports are run to ensure that these changes do not alter budget consistent with administrative changes.</p> <p>5. Approved HPIC changes for September 2011 are provided in Attachment 3.</p>
BCRA-PRC-11-048R0	<p><i>September 2011 Yearend Administrative Changes, FOC, CAM & Other</i></p>	<p>The following administrative changes are made for September 2011:</p> <ol style="list-style-type: none"> 1. Identified work breakdown structures (WBSs) currently assigned to Functional Organization Code (FOC) Group “3D – Soil & Groundwater Remediation” are being reassigned to FOC Group “3A - 100 K Area Project & BOS D&D”. The responsible Vice President for FOC Group “3A – 100 K Area Project & BOS D&D” is Kurt Kehler; the Vice President for FOC Group “3D- Soil & Groundwater Remediation” is Dyan Foss. See Attachment 1 for the WBSs reassigned from Dyan Foss to Kurt Kehler. The approved HPIC form for this change is provided in Attachment 4. 2. Control Account and Work Package manager changes are also made in September 2011. See Attachment 2 for the Control Account Manager (CAM) change by WBS. See Attachment 3 for the Work Package Manager changes by WBS. The approved HPIC form documenting the CAM changes is provided in Attachment 4. 3. Other general HPIC changes are provided in Attachment 5. 4. RL Project and PARS II Coding Changes <ul style="list-style-type: none"> WBSs 030.99.01.17.02 RL Project Code changed from RL Project RL-0030.C1 to P-RL-0030.R1.3 - Support Operations PARS Code will also changed from RL-0030.C to RL_0030_R1_3 - ARRA Funded Outer Zone D&D WBS 030.99.01.18.02 RL Project Code changed from RL Project RL-0030.C1 to P-RL-0030.R1.3 - Support Operations. PARS Code will also changed from RL-0030.C to RL_0030_R1_3 - ARRA Funded Outer Zone D&D <p>The other 5 WBSs listed were already coded correctly in HPIC and did not need to be changed.</p>

Overall the contract period performance measurement baseline (PMB) budget is *increased* \$10.3 million in September 2011.

In September 2011 management reserve (MR) is returned in the amount of \$93.6K in fiscal year (FY) 2012 due to definitization of the Bioassay Activities identified Change Order 135, Mod 177. In FY2011, \$957.6K of MR is returned through efficient reutilization of a 200W decontamination trailer, mitigating procurement of additional 100K equipment, and bringing the total value returned to MR in September to \$699.4K.

Also in FY2011 is the utilization of (\$258.2K) of MR for the addition of the tapping, draining and air gapping activities of process piping conduit in the 221-U Operating, Piping and Electrical galleries reflected in Risk D4-U-004, U Canyon Technical Approach Changes.

Management Activity in FYs 2011 & 2012

BCR Number	Title	Fiscal Year	MR (ARRA) & PBS	MR (Base) & PBS
BCR-030-11-017R0	Bioassay Activities per Change Order 135, Mod 177	2012		\$93.6K / RL-30
BCR-R40-11-004R0	U-Plant Canyon Disposition	2011	(\$258.2K) / RL-40	
BCR-R41-11-005R0	100K CENRTC Scope Adjustment	2011	\$957.6 / RL-41	
MR Change (FYs 2011 and 2012)			\$699.4K	\$93.6K
Overall MR Change in September 2011 – \$793K				

There were no Fee adjustments in September 2011.

See the Format 3 Report in Appendix A and A-1 for a complete listing of the specific change requests and the impact on the PMB budget by fiscal year. The change to the Estimated Contract Price, if all authorized, un-priced work scope were definitized at the PMB values as a result of change requests processed in September 2011, is an *increase* of \$11.1 million and is summarized by fiscal year in the tables below (dollars in thousands, negative number represents reduction):

September 2011 Summary of Changes to Estimated Contract Price

	FY2009	FY2010	FY2011	FY2012	FY2013	FYs 2009-2013	FYs 2014-2018
August 2011 Estimated Contract Price							
PMB	653,426	960,017	992,287	464,681	709,947	3,780,358	2,489,664
Mgmt Rsrv (MR)	0	0	24,474	20,674	31,226	76,374	155,220
Fee	39,712	48,772	32,322	16,969	17,521	155,296	87,417
Total	693,138	1,008,789	1,049,083	502,324	758,694	4,012,028	2,732,301
Change by Funding Source to Estimated Contract Price in September 2011							
PMB							
ARRA							
All ARRA WBSs	0	0	287	0	0	287	0
Base							
All Base WBSs	0	0	9,531	213	106	9,850	160
Change to PMB	0	0	9,818	213	106	10,137	160
MR							
ARRA							
All ARRA WBSs	0	0	699	0	0	699	0
Base							
All Base WBSs	0	0	0	94	0	94	0
Change to MR	0	0	699	94	0	793	0
Fee							
ARRA							
All ARRA WBSs	0	0	0	0	0	0	0
Base							
All Base WBSs	0	0	0	0	0	0	0
Change to Fee	0	0	0	0	0	0	0
Total Change	0	0	10,517	307	106	10,930	160
September 2011 Estimated Contract Price							
PMB	653,426	960,017	1,002,105	464,894	710,053	3,790,495	2,489,824
MR	0	0	25,173	20,768	31,226	77,167	155,220
Fee	39,712	48,772	32,322	16,969	17,521	155,296	87,417
Total	693,138	1,008,789	1,059,600	502,631	758,800	4,022,958	2,732,461

Changes to/Utilization of Management Reserve in September 2011

		FY2009	FY2010	FY2011	FY2012	FY2013	FY2009-2013	FY2014-2018
Management Reserve (MR) - End of August 2011								
ARRA	RL-0011.R1	0	0	2,981	0	0	2,981	0
	RL-0013.R1.1	0	0	0	0	0	0	0
	RL-0013.R1.2	0	0	51	0	0	51	0
	RL-0030.R1.1	0	0	0	0	0	0	0
	RL-0030.R1.2	0	0	0	0	0	0	0
	RL-0040.R1.1	0	0	4,369	0	0	4,369	0
	RL-0040.R1.2	0	0	0	0	0	0	0
	RL-0041.R1	0	0	7,117	0	0	7,117	0
ARRA Total	0	0	14,518	0	0	14,518	0	
Base	RL-0011	0	0	2,000	7,400	8,000	17,400	0
	RL-0012	0	0	3,000	2,000	4,500	9,500	16,800
	RL-0013	0	0	1,500	500	5,000	7,000	55,530
	RL-0030	0	0	0	10,319	4,400	14,719	32,000
	RL-0040	0	0	3,242	200	4,979	8,421	31,900
	RL-0041	0	0	214	200	4,287	4,701	17,990
	RL-0042	0	0	0	55	60	115	1,000
	Base Total	0	0	9,956	20,674	31,226	61,856	155,220
MR Total	0	0	24,474	20,674	31,226	76,374	155,220	
Changes to/Utilization of Management Reserve in September 2011								
ARRA	RL-0011.R1	0	0	0	0	0	0	0
	RL-0013.R1.1	0	0	0	0	0	0	0
	RL-0013.R1.2	0	0	0	0	0	0	0
	RL-0030.R1.1	0	0	0	0	0	0	0
	RL-0030.R1.2	0	0	0	0	0	0	0
	RL-0040.R1.1	0	0	-258	0	0	-258	0
	RL-0040.R1.2	0	0	0	0	0	0	0
	RL-0041.R1	0	0	958	0	0	958	0
ARRA Total	0	0	700	0	0	700	0	
Base	RL-0011	0	0	0	0	0	0	0
	RL-0012	0	0	0	0	0	0	0
	RL-0013	0	0	0	0	0	0	0
	RL-0030	0	0	0	94	0	94	0
	RL-0040	0	0	0	0	0	0	0
	RL-0041	0	0	0	0	0	0	0
	RL-0042	0	0	0	0	0	0	0
	Base Total	0	0	0	94	0	94	0
MR Total	0	0	700	94	0	794	0	
Management Reserve - End of September 2011								
ARRA	RL-0011.R1	0	0	2,981	0	0	2,981	0
	RL-0013.R1.1	0	0	0	0	0	0	0
	RL-0013.R1.2	0	0	51	0	0	51	0
	RL-0030.R1.1	0	0	0	0	0	0	0
	RL-0030.R1.2	0	0	0	0	0	0	0
	RL-0040.R1.1	0	0	4,111	0	0	4,111	0
	RL-0040.R1.2	0	0	0	0	0	0	0
	RL-0041.R1	0	0	8,075	0	0	8,075	0
ARRA Total	0	0	15,218	0	0	15,218	0	
Base	RL-0011	0	0	2,000	7,400	8,000	17,400	0
	RL-0012	0	0	3,000	2,000	4,500	9,500	16,800
	RL-0013	0	0	1,500	500	5,000	7,000	55,530
	RL-0030	0	0	0	10,413	4,400	14,813	32,000
	RL-0040	0	0	3,242	200	4,979	8,421	31,900
	RL-0041	0	0	214	200	4,287	4,701	17,990
	RL-0042	0	0	0	55	60	115	1,000
	Base Total	0	0	9,956	20,768	31,226	61,950	155,220
MR Total	0	0	25,174	20,768	31,226	77,168	155,220	

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.

Contracts-to-Date Actual Awards & Mods								Projection to FY18	
Contracts + Purchase Orders + Pcard 10/1/08 -09/30/2011								Planned Subcontracting*	\$2,524,483,195
								Contract-to-date awards	\$1,758,748,960
	ARRA		BASE		Total \$	Total %	Goal	Bal remaining to award =	\$765,734,235
	\$	%	\$	%			%	Goal award \$	Bal to goal \$
SB	\$394,432,293	53.53%	\$501,974,894	49.12%	\$896,407,187	50.97%	49.30%	\$1,244,570,215	\$348,163,028
SDB	\$78,096,731	10.60%	\$87,659,912	8.58%	\$165,756,643	9.42%	8.20%	\$207,007,622	\$41,250,979
SWOB	\$86,504,864	11.74%	\$91,000,985	8.90%	\$177,505,849	10.09%	7.50%	\$189,336,240	\$11,830,390
HUB	\$20,565,365	2.79%	\$20,666,472	2.02%	\$41,231,837	2.34%	2.20%	\$55,538,630	\$14,306,794
VOSB	\$54,352,781	7.38%	\$56,654,712	5.54%	\$111,007,493	6.31%	3.50%	\$88,356,912	(\$22,650,581)
SDVO	\$12,820,479	1.74%	\$16,873,183	1.65%	\$29,693,662	1.69%	1.30%	\$32,818,282	\$3,124,620
NAB	\$15,296,853	2.08%	\$9,374,974	0.92%	\$24,671,827	1.40%	0.00%	* 10-year subcontracting projection	
Large	\$238,039,630	32.31%	\$274,969,182	26.91%	\$513,008,812	29.17%	0.00%		
GOVT	\$119,930	0.02%	\$1,364,516	0.13%	\$1,484,446	0.08%	0.00%	PRC clause H.20 small business (SB) requirement:	
GOVT CONT	\$104,116,154	14.13%	\$240,602,512	23.54%	\$344,718,666	19.60%	0.00%	≥17% of Total Contract Price performed by SB	
EDUC	\$9,526	0.00%	\$107,229	0.01%	\$116,755	0.01%	0.00%	Total Contract Price:	\$5,363,111,740
NONPROFIT	\$36,749	0.00%	\$2,787,984	0.27%	\$2,824,733	0.16%	0.00%	17% requirement:	\$911,728,996
FOREIGN	\$28,773	0.00%	\$156,213	0.02%	\$184,986	0.01%	0.00%	SB Awarded:	\$896,407,187
Total	\$736,783,054		\$1,021,965,905		\$1,758,748,960			Balance to Requirement:	\$15,321,809

Notes:

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

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

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