

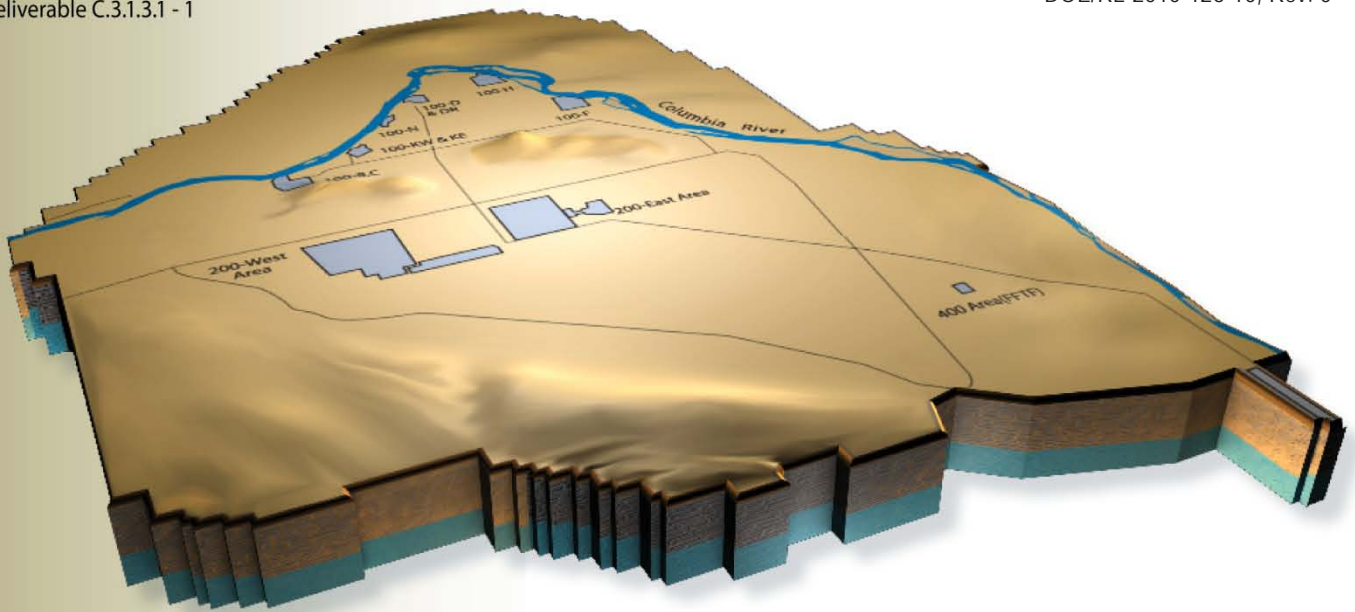


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President and Chief
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Monthly Performance Report

U.S. Department of Energy Contract,
DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

October 2010
DOE/RL-2010-126-10, Rev. 0



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EXECUTIVE SUMMARY

Cleanup progress in October continued across all projects and functional support areas. With American Recovery and Reinvestment Act (ARRA) funding, the CHPRC team completed demolition of more than 380,000 square feet of concrete structure that was once part of the 100K West Reactor Water Treatment Facilities. Remediation crews also mobilized to begin removing soil from waste sites associated with other facilities demolished with ARRA funding earlier this year. On the Central Plateau, CHPRC initiated final cleanup at the sites of the former 224-U and 224-UA buildings while activities within U canyon continued toward grout preparations. Completion of demolition and cleanup of the 272-E Fabrication Shop in the 200 East Area leaves only two of nine facilities for demolition with ARRA funding – the 209-E Criticality Mass Laboratory and the 284-E Powerhouse. Other progress in shrinking the site cleanup footprint included completing cleanup from demolition of the last communications structures on the Arid Lands Ecology Reserve and initiating debris site cleanup on the North Slope.

Construction progress continued on two new Soil and Groundwater Remediation Project pump-and-treat facilities: the ARRA funded 200 West Groundwater Treatment Facility's Radiological Building and the 100-HX facility. Construction of 100-HX is on schedule to enclose the process building before winter when crews will begin utilities and equipment installations. A third pump-and-treat facility, the 100-DX facility, is undergoing acceptance testing and is on target for completion by the year's end. CHPRC also deployed mobile survey equipment in October to help streamline the waste site surveying and closure process and to verify attainment of cleanup goals in the remediated portion of Zone A.

At the Plutonium Finishing Plant, canyon crane reactivation was successful at the Plutonium Reclamation Facility and the team deployed a new, streamlined process for removing process vacuum system piping after several months of development, facilitating a five-fold increase in the rate of removal.

The Waste and Fuels Management Project completed the first shipment using the Department of Transportation Super Type A container. A local business designed and fabricated the container to ship large-package waste from the Central Waste Complex to off-site treatment facilities. In addition, The Waste Retrieval Project completed and passed their Integrated Safety Management System (ISMS)/Environmental Management System (EMS) re-evaluation, demonstrating their capability to meet CHPRC's ISMS/EMS policies and procedures.

CHPRC continued significant contract activity in support of Base and ARRA funded acceleration objectives. Since October 2008, nearly half of CHPRC's \$1.488B in subcontract activity has been awards to small businesses. Since April 2009, over half of \$622M in ARRA subcontract awards has been to small businesses.

CHPRC summarized the accomplishments outlined in the special anniversary issue of *On the Plateau* into a one-page quarterly progress update and *Special Edition* of the *Recovery Act Update*.



Focus on Safety

During the month of October CHPRC submitted its annual Integrated Safety Management System/Environmental Management System (ISMS/EMS) declaration to RL. The declaration included an analysis of current company performance relative to effectively implementing the ISMS/EMS and significant improvement initiatives for the next fiscal year. The specific improvement initiatives include our Continuous Improvement Plan that describes CHPRC strategy for continuous improvement.

Actions include:

- A radiological protection improvement plan to address weakness in fundamental radiological protection practices and protocols
- A review of training and qualification requirements, resources for work and oversight, and procedure reviews
- A comprehensive action plan to improve vehicle safety and reduce contact incidents
- A company-wide procedure to provide direction and guidance for the requirements, scheduling, coordination, preparation, performance, critique, and corrective actions for the operational drills involving response to abnormal or upset conditions within the operating facilities

In addition, the Waste Retrieval Project successfully completed a Phase II re-verification of the ISMS/EMS conducted by RL. The re-verification included a review of the corrective actions to address concerns from the initial Phase II verification.

The Winter Safety campaign was rolled out at the October President's Zero Accident Council (PZAC). The focus of this year's winter safety campaign, "Don't Roll the Dice with Winter Snow & Ice," is on winter preparedness at each of the projects as well as company and personal vehicles. With the proper preparation we can lower the stakes of potential injury to ourselves and each other. Winter badge cards were provided at the October PZAC as well as posters providing tips for walking and driving on snow and ice. Also, CHPRC initiated our weekly Safety Tailgate process to disseminate consistent safety and health information company-wide in a timely manner. Safety Tailgate information is provided to supervisors and managers and is used in a number of forums (morning briefings, staff meetings, etc.) to provide appropriate topical information to employees.



Ninety-seven individuals attended eight seminar sessions provided by Leigh Madsen of High Tech Sports Therapy Training. "Staying Young in the Aging Workforce" covered the seven major factors that contribute to the accelerated decay of human cells and discussed the behaviors and lifestyles that delay this process. Research from the longest living populations in the world was investigated and how to adopt their cultural habits as well as how aging affects injury and performance were discussed. "Strains and Sprains and the 9 Ergonomic Risk Factors" covered nine root causes of how load can exceed capacity and explores the various activities and why they are damaging to the human body. Possible ways to reduce load as well as possible ways to increase human capacity were discussed. Inspired by the importance of maintaining a fit work force, Engineering, Projects and Construction initiated a Stretch and Flex program within their project.

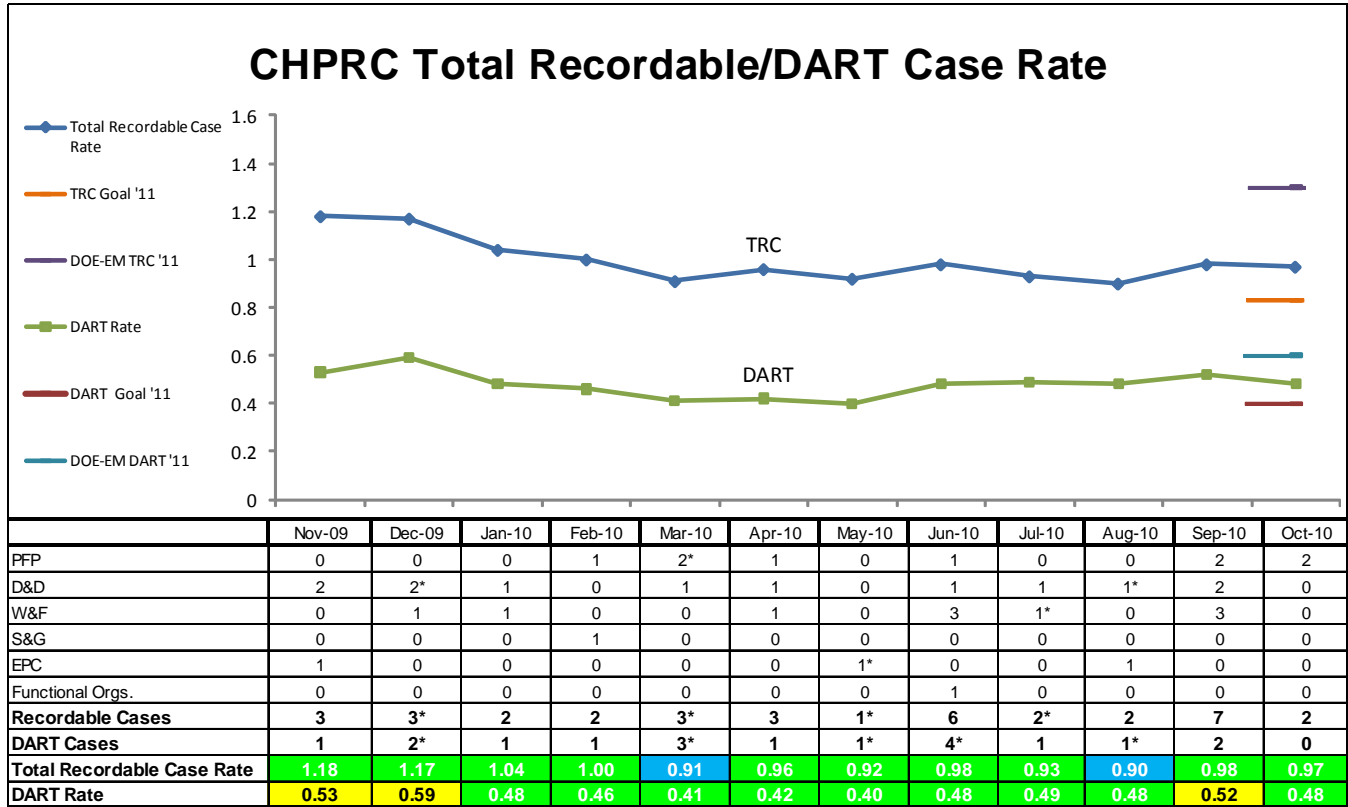
Soil and Groundwater Remediation Project (S&GRP) and Waste and Fuels Management Project (W&FMP) implemented two enhanced processes as part of the Industrial Hygiene program enhancements. S&GRP implemented improved exposure assessment strategies and development of industrial hygiene sample plans for wells with known or potential hazardous material constituents. In addition, S&GRP implemented an odor response procedure to ensure appropriate conservative decision making is used in odor response as well as collection of industrial hygiene samples. W&FMP implemented standardized qualification processes for safety and health professionals. The processes will be revised based on the feedback and then will be rolled-out across the other PRC projects.

RL recognized Rick Warriner, CHPRC Quality Systems Manager, for his “outstanding support to the Department of Energy’s program to control Suspect/Counterfeit Items (S/CI).” Specific attributes of his support were described as “leadership in recognizing evolving issues, innovation in developing new approaches to training staff to identify S/CI, and willingness to serve as a spokesperson for Hanford Site efforts.” Based on his dedication and detailed approach to doing business, Warriner is recognized across the Department of Energy as an expert in S/CI.



TARGET ZERO PERFORMANCE October 2010

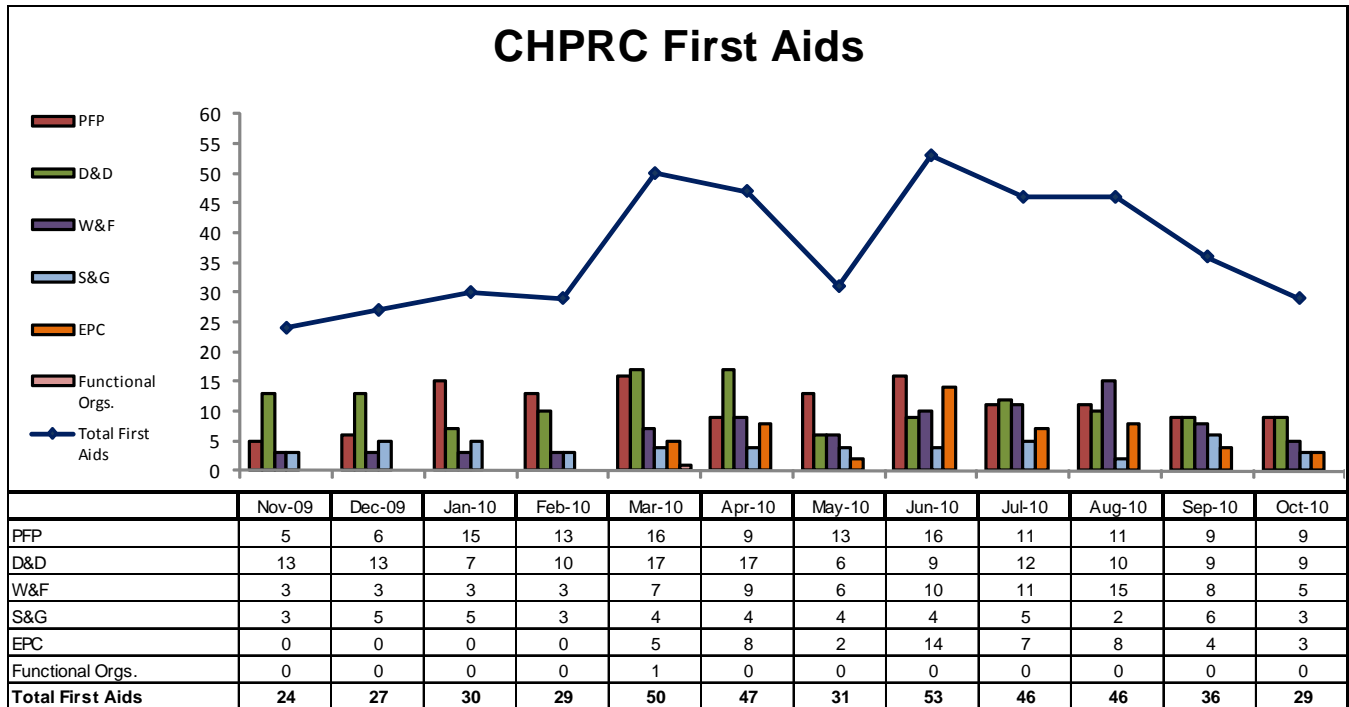
CHPRC continued focusing on integrating safety programs in all program and project areas.



Total Recordable Injury Case (TRC) Rate – The 12 month rolling average TRC rate of 0.97 is based upon a total of 36 recordable injuries for the period. There were two recordable cases in October. One recordable case in August resulted in Days Away. Four cases are currently under review requiring additional information.

Days Away, Restricted or Transferred (DART) Workdays Case Rate – The 12 month rolling average DART rate of 0.48 is based upon a total of 18 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 – Twenty-nine first-aid cases reported in October. The largest contributor was 12 Sprains, Strains and/or Pains; five abrasions or bruises from contact with objects and five miscellaneous cases. CHPRC kicked off the Safety Tailgate in October to communicate weekly on injuries/illnesses with actions to prevent them, as well as additional pertinent safety culture information. CHPRC kicked off the Winter Safety campaign with an emphasis on preparations to avoid injuries and vehicle accidents, and continued previous actions of reviewing head bump injuries and partnering with HAMTC Safety to evaluate leather gloves alternatives to reduce cuts/abrasions.

PROGRAM SUMMARIES

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

Progress continues on activities in support of the Hanford Site Corrective Action Plan for improving the site’s Chronic Beryllium Disease Prevention Program which was approved by the DOE Office of Environmental Management and the DOE Office of Health, Safety, and Security this month. Activities include development of a more rigorous building characterization process, enhanced training for Industrial Hygienists (IH) and IH Technicians, training for planners, supervisors, managers and Persons In Charge. CHPRC is currently on schedule with our PRC actions related to the site Beryllium Corrective Action Plan (CAP). November actions will include:

- Development of a more rigorous site-wide process for facility assessments.
- Development of a more rigorous site-wide process for characterization sampling.
- Updating the postings of beryllium controlled areas using the new ANSI-compliant signs.
- Development of a resource loaded implementation schedule and management plan for the completion of the CAP.
- Working with the other contractors to revise the Beryllium Work Permit (BWP) form and to provide detailed instructions on the completion of the BWP.

Environmental Program and Strategic Planning (EPSP)

Environmental Management System accomplishments:

- The fiscal year (FY) 2010 Objectives and Targets were exceeded and FY2011 EMS Objectives and Targets were developed and submitted to senior management for approval.

Compliance Inspections and Reviews included:

- CHPRC conducted an internal evaluation of the Environmental Protection department seeking opportunities for improvement. A department-wide workshop is scheduled for late December to discuss the review and determine next steps.
- WDOH monitored the 201-A and 201-B High-Efficiency Particulate Air (HEPA) filter change-out at WRAP and noted no concerns or issues.
- The inspection of radioactive air emission stack 291-B-1 at B Plant was closed out via a letter from WDOH with no issues or findings. Similarly, the September 29, 2010 PUREX inspection was closed out with no issues or findings.
- The 209-E Deactivation Notice of Construction (NOC) was approved by the Department of Health on October 29, 2010, allowing deactivation work to proceed. Eventually this work and follow-on demolition will be addressed under Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) authority.
- EPSP submitted Revision 5 of the TRU Project NOC to DOE-RL on October 27, 2010. Approval of this NOC is needed to support construction and operation for future TRU retrieval operations.
- EPSP submitted the revised National Emission Standards for Hazardous Air Pollutants; Radionuclides Quality Assurance Project Plan, Rev. 4, to DOE-RL on September 28, 2010.

Strategic Planning Support

Strategic Planning Support completed the risk analysis for the Performance Measurement Baseline Revision 2 Update.

CHPRC obtained final approvals for the revised Risk Management Procedure and Risk Management Implementation Guide. Both updated documents have been published on the PRC Docs on Line.

Business Services and Project Controls

In September 2010, CHPRC Approved and implemented nine baseline change requests, of which three were administrative in nature and did not change budget, schedule or scope.

While individual change requests did adjust the contract period PMB budget significantly in October 2010, the overall PMB budget change reduced only \$62.1K. There was no use of management reserve in October 2010. 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.

Prime Contracts received and processed one (1) contract modification (#127). The Correspondence Review Team reviewed and determined distribution for 24 incoming letters and the Prime Contract Manager reviewed 52 outgoing correspondence packages.

Prime Contracts participated in several key meetings with RL with the objective of improving customer relations and gaining a better understanding of contract processes. The Prime Contracts Manager attended the RL/CHPRC facilitated Partnering Session, a productive discussion focusing on ways to foster better working relationships to achieve common goals in the contracts/legal area. This activity was followed by a joint RL/CHPRC projects/contracts meeting attended by the contracts group to discuss the Notice of Change process. Both meetings were helpful in building improved client relations and developing a clearer understanding of the processes necessary to successfully manage the contract.

The ARRA Phase 1-3 and Unsecured Core Project mobile offices have all been received and installed. The final unit, MO2209, MSA Water Utilities completed the final walkthrough and occupancy inspection.

The site evaluations and statements of work for the procurement of two additional five wide mobile offices, two mobile restroom facilities, a double-wide mobile office and a mobile restroom facility, required to support the remaining space requirements for the S&GWP were finalized in October. Bids have been received and are in evaluation for the Mobile Office portion of the procurement. The new units will be located west of MO285 in 200E north of the S&GWP shops under construction in the Unsecured Core. Occupancy is anticipated in late January 2011.

The procurement group awarded 161 new contracts with a total value of \$32.3M, amended 542 existing contracts with a total value of \$2.3M, and awarded 313 new purchase orders valued at \$1.9M to support Base/ARRA acceleration objectives.

As measured at the end of the first 25 months, CHPRC's procurement volume has been significant; \$1.488B in subcontract activity has been recorded with approximately 49% or \$731M in awards to small businesses. ARRA funded activity totals 42% or \$622M of the grand total. This includes 4,376 contract releases, 7,092 purchase orders, and over 123,500 P-Card transactions.

The procurement organization was subject to an independent assessment by the Program Evaluation and Review Techniques (PERT) Team in mid-May (see May Monthly Report). The review confirmed that the CHPRC Procurement system was adequate and in compliance with current PERT system review criteria. However, a weakness was discovered regarding cost/price training of contracting staff, and documented as CR-2010-2205. During this reporting period, the Procurement organization, with the assistance of an independent instructor, conducted an in-house workshop on cost/price analysis, which was attended by forty two (42) Contract Specialists, Procurement Leads/Managers, and support personnel. Completion of this cost/price workshop provided the closure requirements for CA#2 of CR-2010-2205.

CHPRC Procurement submitted the consent package for Babcock Services Shared Service Agreement. This completes the submission of all 11 preselect contracts for consent to RL.

Material Services activities for October included:

- On-line annual Pcard Training was updated based on the recent Pcard internal audit and other changes throughout the year, and was made available to card holders and approving managers.
- Pcard Administration continued to review Pcard holder files in preparation of an Internal Audit that began in late October.
- Material Services issued a message to eBOM users on how to denote an emergency request in PRCMSS. This action was taken as a result a recommendation emanating from the Material Services Management Assessment that was conducted in August.
- CHPRC assisted WCH in procuring four Cat ID #600597 QL-3 HEPA filters from 300 Area inventory. (These filters were reduced from QL-1 to QL-3 after their shelf life expired in 2007. As QL-3 filters, the shelf life was extended to 06/30/2012. Even though the filters were now QL-3, WCH had an application for them in a testing apparatus.) After this transfer, the remaining 29 filters were identified by the Design Authorities as no longer required and have been declared eligible for excess. When WCH heard the remaining filters were to be excessed (and destroyed per HEPA Filter Procedure), they inquired about transferring them to WCH inventory. Unfortunately for WCH, the only mechanism CHPRC has for transferring the filters is for WCH to purchase them out of CHPRC inventory at the current Average Unit Price of \$325.08 each, for a total of \$9,427.32. There is no

mechanism in place for reducing the value of the filters to compensate for their age. In the end, WCH elected to not take the remaining 29 filters.

- Material Services assisted in the return of Scott Respiratory Air Hoses to the manufacturer for refurbishment. There were over 300 hoses in lengths of 25, 50 and 100 feet.
- CHPRC continued to provide Pcard reporting support for CHPRC Environmental Protection reporting purposes.

Interface Management support continued in October:

- Interface Management worked with Advanced Technologies and Laboratories (ATL) and CHPRC Projects and SHS&Q to finalize the FY2011 ATL/CHPRC Service Level Agreement for forecasted CHPRC high radiation samples to be sent to ATL for analysis. This agreement will serve as the basis for de-obligation of funds under the Plateau Remediation Contract to make them available to the DOE Office of River Protection to fund ATL to support CHPRC's high radiation sample analysis needs in FY2011.
- CHPRC worked with Pacific Northwest National Laboratory (PNNL) to negotiate and complete an update to the Memorandum of Agreement between CHPRC and PNNL for the Performance and Payment of Services.
- AMH and CHPRC reached agreement on a new Administrative Interface Agreement (AIA) between AMH and CHPRC on use of the AMH Hanford Patient Information Portal. This agreement was developed by Interface Management at the request of AMH to help insure protection of sensitive information contained in portions of the soon to be released AMH Hanford Patient Portal.
- Working with MSA and the CHPRC S&GWR Project, Interface Management completed a new AIA documenting the interfaces between MSA Electrical Utilities managed Hanford Site electrical transmission lines and the S&GW Project groundwater pump-and-treat transfer and control lines.
- Working with the CHPRC Projects and MSA, Interface Management updated HNF-46148, *Interface Control Document between CHPRC and MSA for Water Systems Services*, to incorporate the interface between the new 100-K Area water system constructed by CHPRC in support of its 100-K Area Decontamination and Decommissioning (D&D) activities and the MSA managed Hanford Raw Water System. The revised initial conceptual design is currently in the final release process.
- CHPRC SHS&Q and Interface Management are working with MSA to explore how to best address DOE's request that MSA evaluate the potential consolidation of Hanford Prime Contractor Emergency Preparedness (EP) organizations under MSA. CHPRC and other contractors are concerned that if consolidation of contractor EP organizations were implemented it would not address the root causes of DOE's concerns that drove their request for the study and could result in the creation of other issues associated with implementation of EP planning and execution.
- Interface Management continued to work with the CHPRC D&D and S&GW Projects and SHS&Q organization and MSA on resolving continuing issues with MSA Analytical Services function and the MSA Waste Sampling and Characterization Facility (WSCF) in particular not meeting CHPRC's chemical and low-level radiological sample analytical needs.
- Interface Management supported the CHPRC D&D Project on efforts to develop a path forward to accommodate an MSA proposed raw water supply outage at 100 K Area in December 2010 to accommodate an MSA/WCH project to relocate a portion of the raw water line between the 100-K Area and the MSA 182-B facility.
- In support of CHPRC's efforts to improve forecasting of CHPRC required MSA services and the effectiveness of the CHPRC work authorization process to MSA, Interface Management continued

to work with CHPRC Project Controls and Procurement to align MSA service releases with the FY2011 Master Agreements for MSA provided services identified in the DOE J-3 Matrix.

- Working with MSA, CHPRC Labor Relations, and CHPRC Projects, Interface Management facilitated an agreement between CHPRC and MSA that CHPRC Crane Operators would continue to be in MSA and DOT-approved Motor Carrier Program so that they would maintain equivalent qualifications to MSA Crane Operators.
- Interface Management worked with CHPRC Facilities & Property Management to demonstrate to MSA that an RL Mission Support concern the CHPRC would walk away from CHPRC ARRA facilities at the end of the ARRA, leaving MSA to disposition them at MSA's cost, was unfounded. CHPRC's Project Management Baseline includes resources to disposition CHPRC ARRA facilities.

Engineering, Projects and Construction (EPC)

Central Engineering (CE) activities included:

- The Preliminary Design Review for the Sludge Treatment Project Knockout Pot Disposition Subproject final design review report was published October 12. The report summarizes the results of the KOP preliminary design.
- Project Chief Engineer System Engineer program Annual Reports were completed; the System Engineer Program Manager Annual Report was completed. The reports summarize the status of the CHPRC System Engineer program.
- CE chaired the semi-annual Energy Facilities Contractors Group (EFCOG) Engineering Practices Working Group (EPWOG) meeting in Denver. Representatives from 24 different EFCOG member companies, 3 DOE HQ Offices and the DOE National Training Center met to exchange engineering lessons learned and best practices and to provide support to DOE initiatives. Activities currently in progress include revision/publication of DOE-STD-3024, development of Commercial Grade Dedication and Cognizant System Engineer training, and development of an Engineering software "toolbox." EPWOG expects to be a contributor to upcoming changes to DOE O 420.1B and DOE STD-1066.
- CE continues to provide potential non-nationally recognized testing lab evaluations. The majority of the items are approved for use in the field once a thorough review has been completed and supporting documentation has been prepared and approved.
- Plans continued for the KE Reactor Core Removal Preliminary Design Review. CE will chair the November 16/17 formal design review. A design review report is scheduled for publication in mid January.
- CE continued to provide technical support to the ARRA facilities projects, including Statement of Work (SOW) review and approval, detailed design drawing checking and approval, calculation preparation, submittal reviews, Facility Modification Packages, Design Change Notices, Memorandum of Understanding review and approval, and field walk downs at the mobile office construction sites.
- CE initiated efforts to formally document the Next Generation TRU Trench Face Process System Compliance Matrix into a Functional Requirements Criteria document. CE is working closely with project personnel to ensure that the FDC will include measureable criteria against which to judge the design.

Communications and Outreach

- CHPRC Public Affairs submitted the American Recovery and Reinvestment Act (ARRA) weekly report (with video and photos) to RL per Contract No. DE-AC06-08RL14788 – Modification M047.
- In addition to the weekly report, Public Affairs published its weekly *Recovery Act Update*, documenting the removal of a 100-foot-tall radio tower in the Fitzner-Eberhardt/Arid Lands Ecology Reserve, the continued construction of the 200 West Groundwater Treatment Facility, new efficiencies gained in removing contaminated piping from Plutonium Finishing Plant (PFP) and others. Current issues of the newsletter are available on CHPRC's external web and feature a wide range of project progress topics.
- This month's weekly videos for the weekly Recovery Act report covered demolition across the Hanford Site, from the last buildings demolished on the Arid Lands Ecology Reserve to the U Ancillary facilities on the Central Plateau to the completed demolition of the 183KW Sedimentation Basin in the 100K Area along the Columbia River. A special edition of *On the Plateau* showcased CHPRC's two years on the job, including ARRA progress, and a look ahead for FY2011 goals.
- Representatives from CHPRC attended the third ARRA Info Exchange in Washington, D.C., Oct. 5-6 on behalf of the Hanford Site, joining other DOE-EM projects from across the country in discussing the path forward in the last year of this three-year program.
- Communications supported press materials reporting CHPRC's record-breaking year in well drilling and decommissioning as well as demolition of structures on the Arid Lands Ecology Reserve and the 100K West Reactor Water Treatment Facilities. These accomplishments were featured on DOE-RL's web site and social networking sites as well as in the Tri-City Herald.
- The DOE EM Recovery News featured CHPRC demolition of the U Plant Ancillary buildings. For the DOE-EM Update, CHPRC provided an article on the removal of security and access control structures at the Plutonium Finishing Plant.
- CHPRC joined more than 160 employers and graduate schools at the Washington State University Career Expo and Technical Career Fair to meet with students and alumni and share information about opportunities to join the CHPRC workforce. The event was sponsored by the university's Center for Advising and Career Development and the College of Engineering and Architecture. Since Recovery Act funding was awarded in April 2009, CHPRC has participated in 16 career fairs and received 22,146 resumes and/or applications from potential candidates interested in joining the effort to accelerate cleanup and demolition efforts.
- Communications produced four *InSite* weekly news programs aimed at communicating progress, employee engagement and community involvement to the workforce.
- Working with an outside contractor, Communications produced a safety video about preventing vehicle and heavy equipment incidents to be shown at the first quarter all-employee meeting.
- Communications led the initial phase of an independent assessment of Project-wide communication effectiveness by organizing worker focus groups and conducting in-depth-interviews with senior management.

PROJECT SUMMARIES

RL-0011 Nuclear Materials Stabilization and Disposition

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

ARRA

Removal of plutonium-contaminated process equipment continued as a top priority in readying the PFP Complex for demolition. A total of 75 gloveboxes and hoods have been removed to date with Recovery Act funds. Of these, 67 have been shipped out of PFP for treatment or disposal. An additional five have been packaged into an IP-2 waste shipping container awaiting shipment, three have been removed and are waiting to be loaded into shipping containers. As the pace of D&D work accelerates, so does the waste generation at PFP. CHPRC has now shipped approximately 2,312 cubic meters of waste from PFP with support from Recovery Act funds, including 2,087 cubic meters of low level and mixed low level waste (LLW/MLLW), 203 cubic meters of TRU waste, and 22 cubic meters of non-radioactive waste.

Nondestructive assay measurement of process support equipment is also continuing ahead of schedule, with more than 75% of the highly contaminated process vacuum system and process transfer lines now measured. To date, 274 feet of process vacuum piping has been removed, size-reduced, and packaged into waste containers waiting disposition. In addition, 252 feet of transfer lines have been removed, size-reduced and packaged into waste containers waiting disposition.

With four of nine gloveboxes removed and all process equipment removed from the others, the former PFP SNM Storage Vault Complex is rapidly approaching a ready-for-demolition condition. Process equipment removal, chemical decontamination efforts, electrical isolation of various rooms and areas, and removal of hazardous materials that must be disposed of separately from the demolition debris continue in the laboratory and processing areas. HC-230-C3, C-4, and C5 have been removed from building ventilation and seismic stabilization beams are being removed. All three gloveboxes have qualified for onsite disposal as low level waste at ERDF. Preparations are also under way to remove the first two sections of the 70 foot long HA-289 conveyor glovebox which will make room for the subsequent removal of three other process gloveboxes. Characterization samples were taken in 242-Z from gloveboxes 1 and 3. The 242-Z team supported one of the RMA D&D teams to prepare for and execute upcoming supplied breathing air entries into the hydrogen fluoride scrubber cell in room 232 of the 234-5Z building. They also supported Advanced Dress and Undress training at the Hammer facility.

Base

236Z Plutonium Reclamation Facility – Repairs to the canyon crane were completed and the crane returned to service. Authorization to proceed with pencil tank size reduction activities was received.

RL-0012 Spent Nuclear Fuel Stabilization and Disposition

The Sludge Treatment Project and 100K Operations personnel completed the sample pulls for three complete cores of settler tank sludge from Engineered Container (EC) 230 and safely shipped them to PNNL for characterization and analysis. The final sample will be pulled and shipped to PNNL on November 11 (completed). This will complete the work at 100K for the settler tank retrieval and sampling campaigns. Construction Services personnel also completed the installation of the sampling systems (grating modifications, cameras, and inserted the isolation tube in the first position) in preparation of sampling the K West floor and pit sludge in EC 210. Sampling is scheduled to commence November 15.

The Knockout Pot (KOP) Disposition Subproject is incorporating agreed upon changes into the KOP Processing System (KPS) Preliminary Design Report (PDR) design documents resulting from the formal design review. Due to extended comment resolution with the Nuclear Safety documentation, the completion date for the release of the PDR slipped to October 14. The next step will be to convene the CHPRC Project Review Board and present data for their review and approval.

The KOP Pretreatment 90% Design was achieved with the issuance of PRC-STP-00315, Revision 1, *Pretreatment of KOP Material Process Description, Process Control Plan and Material Balance*, and the completion of the Pretreatment drawings. The drawings include the Wire Separations Device, Instrument Rack, and mechanical and electrical components. In addition, components of the test platform have begun to arrive at Maintenance and Storage Facility (MASF) for installation. The bullpen (portion of the platform that will house the instrumentation required for testing) was delivered and staged for installation. The schedule is to have the entire testing platform installed and ready to support Pretreatment Qualification Testing by early January 2011.

The XAGO/Transfer Pump dry (on-the-deck) testing performed six runs of the XAGO retrieval tool to complete clean out of the remaining K West material in the test EC. They drained and recovered residual simulant for measurement. With the K West simulant material in the Sludge Transfer Storage Cask (STSC), the first overflow recovery test was initiated. Testing showed low flow rates and inability to mobilize and/or lift the sludge. Troubleshooting activities were initiated. Engineering was not able to resolve the overflow recovery tool flow rate, and decided to retrieve the sludge from the STSC and store it in a holding container and proceed with the retrieval of the settler tank sludge simulant from the EC. At a later date they will come back to the K West material, after the settler tank material is transferred from the EC.

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

The W&FM Project focused on delivering safe, compliant performance.

ARRA

Weekly and monthly Recovery Act Reporting continued. Work continued on a “middle-ware” utility to provide an accessible, user friendly and comprehensive interface for waste inventory, forecast, and reporting data. Mixed/Low Level Waste: M-91-42 – shipped 3 m³ and completed 5 m³ during the month, M-91-42 – shipped 6 m³ and completed 3 m³, and M-91-44 – shipped 10 m³ and completed 20 m³ during the month. TRU Retrieval removed five remote handled (RH) culvert (total 19.9 m³) waste containers from 3A Trench 8, continued excavation of remaining eight boxes and one culvert in 3A Trench 8, assayed eight containers removed from 3A Trench 8, excavated 3A Trench 17 Box 12 and prepared to reinforce, remove and place within shoring box, and completed mock-up of the 4B Trench 11 event site and initiated Hazard Review Board (HRB) preparations. Next Generation Retrieval (NGR) completed the Acceptance Test Procedure (ATP) for the Real-Time Radiography (RTR) and Drum Warming Unit (DWU). TRU Repackaging repacked 18 m³ of TRU waste into CCP-certifiable containers; processed 140 parent drums – creating 163 offspring drums; generated eight drums from glovebag change outs; compacted 45 empty parent drums, generated eight full puck drums, and vented 89 drums. TRU Disposition continued TRU Waste Shipments to the Waste Isolation Pilot Plant (WIPP) – seven shipments; erected vault walls for the High Energy Real-Time Radiography (HERTR).

Base

The Waste and Fuels Management Project continued maintaining facilities in a safe and compliant condition. Continued roof upgrades for the Waste Encapsulation and Storage Facility (WESF). Canister Storage Building (CSB)/Interim Storage Area completed annual sampling of Multi-Canister Overpack

(MCO) H-010. T-Plant shipped 59 containers from T Plant and received 246 containers to T-Plant. Central Waste Complex (CWC) shipped 26 on-site transfers (863 containers), received nine on-site transfers (177 containers), and shipped seven offsite shipments (119 containers). Low-level burial grounds (LLBG) Mixed Waste Trench (MWT) – Shipped one leachate tanker to Effluent Treatment Facility (ETF). Liquid Effluent Facilities (LEF) received three tankers (8K gallons). Slightly Irradiated Fuel (SIF) installed and welded in place capture frames and seismic restraints, poured 12 of 21 concrete column encasements (completed framing the remaining five), and installed and welded in place weather covers, (four of eight grating assemblies were delivered to the job site).

RL-0030 Soil, Groundwater and Vadose Zone Remediation

ARRA

Recovery Act dollars are at work across the Central Plateau and along the Columbia River constructing two groundwater treatment facilities and drilling wells that will be used for monitoring, extracting, and remediating groundwater. Progress through the end of the fiscal month October is summarized in the table below.

Activity	October		Cumulative	
	Planned	Completed	Planned	Completed
Well Drilling (# of wells) -352	3	1	289	279
Well Decommissioning (# of wells) -350	10	0	185	176
100 DX P&T – Construction/Startup (%)	4	0 ⁽¹⁾	98	98 ⁽¹⁾
200 West P&T – Final Design (%)	-	-	100	100
200 West P&T – Construction (%)	6	5	36	28.6
200 West P&T – Testing/Startup (%)	6	5	37	31

⁽¹⁾The performance report that includes CTD shows that the DX construction calculation is 100% complete. The CTD BCWP includes \$3.5M worth of work performed well ahead of schedule in FY2009.

Base

Base work includes the pump-and-treat operations, CERCLA remedial processes, and documentation for the River Corridor and Central Plateau. The second of three rounds of aquifer tube sampling was completed at the 100-HR-3 Operable Unit. Sampling and groundwater treatment completed in October includes the following:

- Due to a sampling Stop Work there were no samples taken in October
- 18.08M gallons groundwater treated by ZP-1 treatment facility
- 21.16M gallons groundwater treated by KX treatment facility
- 8.89M gallons groundwater treated by KW treatment facility
- 1.41M gallons groundwater treated by KR-4 treatment facility
- 8.14M gallons groundwater treated by HR-3 treatment facility
- 1.4M gallons groundwater treated by DR-5 treatment facility

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

ARRA

Load out of 224U and 224UA structures demolition debris is continuing.

Upper Arid Lands Ecology (ALE) demolition activities continue. The demolition of 6636 and 623-A was completed. The demolition of 6633 was started. ALE debris pile site cleanup activities resumed.

Asbestos abatement activities continued in the operating and pipe galleries at U Canyon. Wire rope replacement and follow-up testing were completed on the 10-ton crane. Package preparation continues toward haul road, core drilling, and bulkhead installation in support of grouting activities.

Beryllium samples have been taken in the canyon and sent for analysis toward down posting the canyon as a potential beryllium contaminated facility.

Loadout of the 272E Building was completed. Demolition of the 284E coal conveyor and crusher house is continuing. Asbestos abatement in 284E continues. Cold and dark beryllium sampling and characterization activities on the 200 West structures continue. The explosive demolition contract was awarded and detail planning is progressing.

Cleanup of North Slope debris pile sites continues.

CERCLA documentation for railcars progressing as planned; the contract to Fluor Federal Services was awarded and work planning for rail car inspection continues.

Remediation activities continued in the Outer Zone at BC Control area, CW-3 waste sites, and Model Group (MG)-1 waste sites. BC Control Area removed approximately 26,000 tons of soil in October; approximately 84 acres of BC Control Area, Zone A, have been cleared to date. Initial excavation at CW-3 waste sites 216-N-4 and 216-N-6 have been verified complete by sample results, the closure documentation is being prepared.

Sampling/surveys have been completed on 17 MG-1 sites.

Base

Planned surveillance and maintenance activities continue. Initial beryllium characterization sampling was completed at 209E, PUREX, and 224T.

Planning and remediation of failed Confirmatory Sampling No Further Action (CSNFA) sites in MG-1 has been initiated.

B-Plant Exhaust System was shutdown, the pre-filters were replaced and the system was restored to normal operation.

In CW-3, remediation has been performed to remove pipeline 600-286-PL and to begin removal of 600-287-PL. Approximately 8,400 tons of soil was removed from CW-3 pipeline sites during October.

RL-0041 Nuclear Facility D&D, River Corridor

ARRA

Facilities

Work continued on 105KE Reactor Disposition Interim Safe Storage activities with demolition of the K East discharge chute.

Planning for below-grade demolition of the 115KE Gas Recirculation Building and 117KE Exhaust Air Filter Building has begun.

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

Demolition of the 183.2KW Sedimentation Basin was completed. Stock-piled debris must be disposed. Characterization of the 183.1KE Head House continued.

Waste Sites

The following table lists sites that were initiated under ARRA. In BCR-PRC-10-047R0, ARRA to Base Shift for 100-K-63 and Waste Sites with Extent of Contamination, waste volumes beyond the original ARRA planned quantities (as well as remaining RTD work including sampling, closeout, backfill, and

re-vegetation) have been moved to Base for waste sites 116-KE-3, 120-KW-1, 100-K-34, 100-K-18, 120-KW-2, 100-K-71, 100-K-68, 100-K-69, 100-K-70, 100-K-56, 100-K-47, 100-K-3, and 100-K-102. Active excavation continued on 100-K-42. Current month production is shown in the table below.

Active Excavation on ARRA Waste Sites	Oct 2010		Inception to Date (9/28/09 – present)	
	Tons	Loads	Tons	Loads
100-K-3	0	0	1,019	72
100-K-42	1,189	59	10,877	719
100-K-47	0	0	3,307	205
100-K-56	0	0	6,978	436
100-K-68	0	0	212	11
100-K-71	0	0	101	6
100-K-102	0	0	7,938	413
116-KE-3	0	0	258	13
120-KW-1	0	0	12,149	638
183.1-Soils	0	0	12,291	625
183.1-Debris	0	0	9,038	562
100-K-63	0	0	0	0
100-K-53	0	0	350	24
Totals	1,189	59	64,518	3,724

Additional excavation is pending in 100-K-42. Work remains suspended on UPR-100-K-1 (work performed as 100-K-42), 100-K-53, 100-K-77, and 116-KE-1 until D4 completes their activities in the immediate areas. 100-K-57 and 100-K-64 are suspended pending contractual action and preparation of a Cultural Mitigation Action Plan. Only those sites associated with the cultural mitigation plan are currently in jeopardy of missing the Tri-Party Agreement (TPA) milestones. Plans are being made to address the additional contamination removal where available.

Other

Sludge vacuuming completed in K West Basin North Load-Out Pit with a completion date for sludge removal in late October. Over 610 debris units have been removed from the K West Basin to date.

HVAC Project: HVAC equipment is in full sustained operation and performing as anticipated. HVAC components are working to provide a more suitable environment for K West Basin employees and final closeout punch list items are being worked in preparation for issuance of the final Construction Closure Document and demobilization of the subcontractor.

Electrical Project: Continued work of MSA-Electrical Utilities punch list activities necessary for complete transitioning from existing A-7 yard to the new A-9 yard/substation. Complete transfer from A-7 yard to the new A-9 yard/substation is scheduled with Bonneville Power Administration for mid-December.

Water Project: Operational Testing of the Microfiltration Unit has been delayed due to design changes for the building's Fire Sprinkler Systems and Interior Fire Wall Construction, both of which are required to obtain the Water Treatment Building Occupancy Permit. These designs are being reworked and Operational Testing is planned for late November. In addition, these design changes and rework are in progress for the Fire Sprinkler System, Diesel Fire Pump Piping, and Interior Fire Walls.

Base

Facilities

105KE Reactor Disposition Engineering Evaluation/Cost Analysis (EE/CA), Draft A is released for public comment. The 60% design review is re-scheduled for mid-November as requested by RL.

Continued deactivation of the 110KW Gas Storage Facility and 115KW Gas Recirculation Building
Completed sampling and continued deactivation of the 117KW Exhaust Air Filter Building

The 118KW Horizontal Control Rod Storage Cave is ready for demolition

Deactivation is on hold for four buildings which will be removed at the same time; they cannot be removed until after their occupants and contents are moved to other buildings and connex boxes, respectively. The buildings are the 1717K Maintenance Transportation Shop, 1717AKE Electrical Shed, 1724K Maintenance Shop, and 1724KA Storage Shed.

Deactivation is on hold for four K West mobile offices to be removed as a group (MO236, MO237, MO323, and MO955). The occupants moved to other buildings in October and deactivation isolations are in process.

Waste Sites

Continued waste site remediation of the below listed remove, treat, dispose (RTD) sites:

Active Excavation on Base Waste Sites	Oct-10		Cumulative (9/28/09 – present)	
	Tons	Loads	Tons	Loads
100-K-4	0	0	2,989	210
1607-K3	404	19	2,438	122
100-K-109	0	0	7,502	413
116-KE-3	0	0	4,070	214
120-KW-1	0	0	16,705	878
100-K-71	0	0	7,468	461
100-K-68	0	0	9,265	465
100-K-56	0	0	4,861	304
100-K-47	31	3	14,117	875
100-K-3	0	0	4,488	320
100-K-102	1,916	97	12,013	626
100-K-63	23,899	1,060	80,446	3,695
Totals	26,250	1,179	166,362	8,583

Samples from waste site 1607-K3 indicated a portion of the site contained contamination above the remedial action goals. Excavation and removal of the contaminated soils was conducted. The wastes were contained and shipped to ERDF for disposal.

Waste site 120-KW-1 is a large excavation that includes waste sites 100-K-18, 100-K-34, and 120-KW-2. Due to the close proximity and required comingling of waste streams, the site is being excavated under one waste site name, specifically 120-KW-1. This site was advanced from 15 feet below grade to 18 feet below grade in order to successfully remove the contamination. Residual contamination above cleanup levels exists beyond 18 feet below grade; therefore, additional remediation is required. However, a sampling-related safety stand-down caused a drilling rig to be left on the approach ramp to this excavation restricting access for much of the month.

Waste site 100-K-63 is being excavated under contract direction that establishes a not-to-exceed value of \$7.5M. An intensive sample campaign was conducted to determine the extent of contamination within the waste site. Sample data was received from the laboratory in mid-October and is being evaluated. During excavation, a

culturally significant area was identified. CHPRC and RL are working together to determine what, if any, impact may be realized from the discovery.

Additional excavation is pending in 100-K-47 and 116-KE-3. Work remains suspended on 100-K-3, 100-K-56, 100-K-68, 100-K-69, 100-K-70, and 100-K-71 until D4 completes their activities in the immediate areas.

RL-0042 Fast Flux Test Facility (FFTF) Closure

The Fast Flux Test Facility (FFTF) is being maintained in a low-cost surveillance and maintenance condition. The 400 Area water system continues to operate providing service to other occupants of the 400 Area and water for fire protection. Deficiencies identified during the annual surveillance performed in March are being worked to resolution as resources permit.

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

KEY ACCOMPLISHMENTS

RL-0011 Nuclear Materials Stabilization and Disposition

11.02 Maintain Safe and Compliant PFP – Base

- CHPRC-00891, Justification for Continued Operation – Lack of Sufficient Clarity for Documented Safety Analysis Credited Leak Path Factor, and annual updates to the Tank 241-Z-361 DSA and TSRs were implemented in October

11.05 Disposition PFP Facility – Base

Plutonium Reclamation Facility (PRF)

- Repairs to the canyon crane were completed and the crane returned to service
- Authorization to proceed with pencil tank size reduction activities was received
- Internal equipment removal from the maintenance glovebox was completed
- Mechanical isolation of the maintenance glovebox was initiated and is approximately 90% complete
- Preparations of the canning and charging gloveboxes for size reduction were initiated

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

- In RMA Line Room 235B, the team completed painting fixative on the interior of gloveboxes HA-21I, HA-22, and conveyor HA-28. Activities for isolating these gloveboxes from ventilation and removal were started.
- In RMA Line Room 232, preparations for the initial entry into the HA-46 process cell continued
- In RMC Line Rooms 228A, 228B, and Lab Room 166, the first two increments for the removal of process transfer lines were completed
- In RMC Line Room 230C, removal activities for gloveboxes HC-230C-3, HC-230C-4, and HC-230C-5 continued
- In the RADTU area, Room 235D, the D&D team continued the GB200 mechanical isolation and internal process equipment removal was started. The characterization of GB100A was also completed.

Analytical Laboratory

- Decontamination efforts are complete for the six Gloveboxes in Room 139. Attempts for meeting LLW requirements were unsuccessful. The gloveboxes will be removed and set aside for future size reduction and packaging as TRU waste.
- The 144-9 Hood was mechanically isolated, successfully decontaminated to LLW levels, separated from its E4 connection, and set aside in Room 144. Removal of the hood is pending completion of minor modifications to enlarge the door.

Plutonium Process Support Laboratories

- Process equipment removal was completed for the 179-5 glovebox, and decontamination efforts were commenced

242Z Americium Recovery Facility

- Obtained samples from inside gloveboxes WT-1, WT-2, and WT-3 for isotopic analysis
- Initiated the installation of temporary power into the 242-Z Control Room
- Initiated the electrical isolation of the 242-Z building

2736Z/ZB Vault Complex

- Removed BTS Welder Cabinet under GB642E and physically moved out of room for NDA in low background area of 2736-ZB
- Removed 50 percent of the support equipment in room 641 and 642
- Completed Removal of the shielding around the glove boxes in Room 642
- Performed NDA of GB636. Attempts for meeting LLW requirements were unsuccessful. This glovebox has been set aside for size reduction.

RL-0012 Spent Nuclear Fuel Stabilization and Disposition**Sludge Treatment Project (STP)**

Prototypes of the STS IP-2 confinement liners were installed onto the STS cask mock-up at MASF. DOE Safety Engineering Division (SED) transportation and packaging representatives were given the opportunity to inspect the STS, STSC, and the IP-2 liners all together, as a total packaging system for the EC sludge streams. DOE SED was pleased with the system and felt it would meet all the packaging requirements of the F-SPA, which will be used to authorize the transport of the EC sludge.

The MHF Logistical Solutions technical representative (vendor for STS IP-2 confinement liners) also toured MASF and identified modifications and enhancements during the inspection of the IP-2 liner installation on the STS cask mock-up. The identified changes simplify installation, securing, and closure of the systems without compromising the confinement properties of the liners.

The draft KPS Qualification Test Plan was completed and provided to the Joint Test Group for review. Qualification testing on KPS equipment is scheduled to commence in February 2011.

The KOP Subproject developed and issued a SOW to procure a Density Separation Funnel to support qualification testing and operator training on Pretreatment hardware, which is scheduled to commence at MASF in December 2010

In preparation for the ECRTS Integrated Test, MASF received a second flocculent skid, the process ventilation skid, and the ingress/egress piping

Items completed this month for the Integrated Decant Test System include filling the sand filter media; plumbing and wiring the Annex Flocculent skid; simulant preparation; tanks, pumps and hose assemblies; piping modification to the sand filter; and instrumentation wire was pulled

MASF personnel completed selected prerequisite steps for Integrated Decant System Testing. Approximately 2,000 gallons of water was flushed through the sand filter until effluent water was nearly clear.

A draft of *Sludge Treatment Project: Retrieval, Transport and Interim Storage of the K West Basin Garnett Filter Media Engineering Study*, was completed and sent out for internal review

Progress of note on the Phase 2 Subcontracts:

- Ceradyne's acidification and Fenton's reagent tests produced significant uranium metal oxidation rates and one actually dissolved all the uranium metal cubes in ~96 hours
- Areva's warm water oxidation test produced early results indicating that at 95 degrees Centigrade will not produce significant agglomeration as long as agitation is maintained
- Impact Services tests demonstrated that the full scale mixer/dryer can satisfactorily dry K Basin simulant with or without glass formers

RL-0013 Waste and Fuels Management Project

ARRA

13.01 Project Management

- Completed weekly and monthly ARRA reporting
- Continued Project Management support for fast track projects
- Continued work on a "middle-ware" utility to provide an accessible, user friendly, and comprehensive interface for waste inventory, forecast, and reporting data

13.04 Mixed Low Level Waste (MLLW) Treatment

- Completed disposition of the waste contents from the first high-integrity container (HIC)
- Completed processing at TOXCO of the four 50+ year old acetylene cylinders that were removed from U Plant Canyon earlier this year
- Shipped all CWC suspect radiologically contaminated empty waste drums to PFNW
- M-91-42 TPA – Small Container contact handled (CH) MLLW
 - Total for month: 3 m³ shipped and 5 m³ completed
 - Since January 2003: 8,241 m³ shipped and 8,197 m³ completed
- M-91-43 TPA –RH & Large Container MLLW
 - Total for month: 6 m³ shipped and 3 m³ completed
 - Since January 2003: 737 m³ shipped and 714 m³ completed
- M-91-44 TPA – Large Container TRUM Repackaging
 - Total for month: 10 m³ shipped and 20 m³ completed
 - Accumulated total: 119 m³ shipped and 109 m³ completed

13.04 TRU Retrieval

- Removed RH culvert (total 19.9 m³) waste containers from 3A Trench 8
- Continued excavation of remaining eight boxes and one culvert in 3A Trench 8
- Assayed eight containers removed from 3A Trench 8
- Excavated 3A Trench 17 Box 12 and prepared to reinforce, remove and place within shoring box
- Completed mock-up of the 4B Trench 11 event site and initiated HRB preparations
- NGR
 - Completed the 12B lag storage area north of the Process Area asphalt pad
 - Completed the ATP for the RTR and DWU

- Completed the installation and ATP for the Drum Venting System (DVS) 3 (RapidPort dart venting)
- Completed installation of the radiological survey cave and the shielding wall north of the Gamma Assay System

13.05 TRU Repackaging

- Repackaged 18 m³ of TRU waste into CCP certifiable containers
- Shipped 90.5 m³ of large container transuranic (TRU) waste to PFNW for repackaging
- Processed 140 parent drums – created 163 offspring drums
- Generated eight drums from glove bag change outs
- Compacted 45 empty parent drums – generated eight full puck drums
- Vented 89 drums
- Z-9 Repack Campaign
 - Because Z-9 containers fall into the configuration of an unvented 90 mil liner, these drums must be vented first as part of the Justification for Continued Operation (JCO). Vented drums then processed in T Plant canyon.
- RH/Large Package Repackaging
 - Completed size-reduction and repackaging of 109 m³ to date
 - Started nondestructive assay (NDA) of the repacked drums and boxes at PFNW
 - 7.3 m³ confirmed TRU/M to date
 - 30.6 m³ confirmed M/LLW to date

13.06 Waste Receiving and Processing Facility (WRAP)

- NDE: 510 drums (382 for CCP)
- NDA: 494 drums (280 for CCP)
- NDE/NDA: 57 candidate drums (57 for Advanced Mixed Waste Treatment Project (AMWTP))
- Received 52 TRU drums and three Standard Waste Boxes (SWB) from PFP
- Relocated the WRAP Primary Staging Area from the main parking lot (safety concern) to the front of 2620W.
- Issued the Solid Waste Operations Complex (SWOC) Management Directive (WMP-MD-10-003) Shipping and Receiving Containerized Sources.
- Completed High-Efficiency Particulate Air (HEPA) filter changes in the WRAP 202 A/B and 201A exhaust filter banks, including the implementation of Beryllium controls for 201A.
- Participated in an on-site visit to Argonne National Laboratory to observe and benchmark RH waste processes to load and ship RH-72B TRU Waste transports.

13.15 TRU Disposition

- Continued TRU Waste Shipment to Idaho: Current Month total – zero, Total to date - 38
- Shipments to WIPP: Current Month total – seven, Total to date - 60
- Transmitted data for additional 57 drums to CCP for shipment to AMWTP
- Supported TRU Retrieval trench 12-B startup activities
- Implemented RTR CCP Characterization Recovery Plan
- Completed Department of Energy – Carlsbad Field Office (DOE-CBFO) National Acceleration Plan (FY11 shipping projections) and supporting waste feed evaluations
- Erected HERTR vault walls. Agreement on Readiness Level – Readiness Assessment (RA)- Level 3

- Initiated planning and communication with Operations and Support organizations to develop a Rough Order of Magnitude cost and schedule to initiate RH-TRU Waste shipments

Base

13.02 Capsule Storage & Disposition

- WESF
 - Continued roof upgrades
- WESF K1 & K3 Heating, Ventilation, and Air Conditioning Upgrades
 - Completed Functional Requirements document
 - Initiated Functional Design Criteria document
 - Issued Major Modification Determination to the Department of Energy Richland Operations Office (DOE-RL) for concurrence on approach (this will not be a Major Modification)
 - Issued Alternative Analysis Report for internal review
 - Finalized alternative selection for equipment locations and tie-in to existing system
 - Completed preliminary Hazards Analysis
 - Completed Safety Design Strategy and issued for internal review
 - Prepared draft Notice of Construction Application

13.03 Canister Storage Building

- Completed annual sampling of MCO H-010
- Completed annual stack annubar inspection and stack monitor calibrations
- Completed MCO Handling Machine quarterly interlock checks
- Continued to support Container Restraint System (CRS) construction activities

13.04 Waste Receiving and Processing Facility (WRAP)

- Maintain the facility in a safe and compliant condition

13.07 T Plant

- Shipped 59 containers from T Plant
- Received 246 containers to T Plant
- Shipped 1 ERDF roll-off box
- Received 1 ERDF roll-off box
- MO-459 Water Line
 - The water line repair in MO-459 (women's change trailer) completed in September ruptured again in October, construction crews repaired the line once more within two weeks
- Power Panel Preventive Maintenance
 - Completed T Plant 5-yr scheduled 480 Volt power panel cleanouts for the whole facility (required months to complete with many Lock Outs/Tag Outs (LO/TOs) which were completed safely and successfully).

13.08 Central Waste Complex (CWC)

- Shipped 26 offsite shipments, 863 containers
- Shipped seven on-site transfers, 119 containers
- Received nine on-site transfers, 177 containers
- Top Hat Box: Provided comments to Transportation Safety for revision of Contaminated Equipment-Special Packaging Authorization (CE-SPA) for shipment of three identified boxes to PFNW. Revision to CE-SPA was required due to initial CE-SPA specifying a trailer that is a Radiologically Controlled Vehicle (RCV), which is restricted from off-site shipments.
- Box Assay: Initiated assay campaign of nine large boxes. Four boxes have been completed.

- RH Transuranic (TRU): Supported TRU program in development of remote TRU handling capabilities with a visit to Argonne National Labs
- Fire Systems: System Restriction SR-133 was issued against 2403 series buildings. Hanford Fire Department (HFD) identified system pressure switches not activating at established presets. All systems have been restored.
- LLBG
 - MWT – Received 13 offsite shipments, 44 containers
 - MWT – Shipped one leachate tankers to ETF
 - Completed 80% of back filling operations for Trench 33 in 218-W5 Burial Ground

13.11 Liquid Effluent Facilities (LEF)

- Received three tankers (8K gallons)
- Treated effluent to State-Approved Land Disposal Site: 2M gallons; (CY 15M gallons)
- 200A Treated Effluent Disposal Facility (TEDF) discharged 28M gallons; (CY 305M gallons)
- Received Environmental Restoration Disposal Facility (ERDF) leachate (90K gallons) at Liquid Effluent Retention Facility (LERF) Basin 43
- Continued operating the 300 Area Retention Transfer System (24 batches/790 gallons)
- Shipped 20 drums and 10 mavericks (soft-sided waste containers) of waste to the ERDF
- Obtained radiological samples of process liquid to support Technical Evaluation
- Received 18 drums of Waste Sampling and Characterization Facility wastewater
- Continued with Basin 43 Processing Campaign (processed 2.3M gallons)

13.12 Integrated Disposal Facility

- Completed required annual inspections and calibrations

13.16 Off Site Spent Nuclear Fuel (SNF) Disposition

- Installed, and welded in place, capture frames and seismic restraints
- Poured 12 of 21 concrete column encasements
 - Completed framing the five remaining column encasements
- Installed, and welded in place, weather covers (four of eight grating assemblies were delivered to the job site)

13.21 Mixed Waste Disposal Trenches

- Maintained the trenches in a safe and compliant condition

RL-0030 Soil and Groundwater Remediation

ARRA - GW CAPITAL ASSET

Drilling	October		Cumulative	
	Planned	Completed	Planned	Completed
M-24 -5 wells	0	0	5	5
200-ZP-1 West P&T Expansion -17 wells	0	0	14	15
Drilling Total	0	0	19	20

EPC Projects in Support of S&GRP - ARRA

- 200 West Area Groundwater Treatment Facility – 89 of 90 road crossings complete. All welding activities for the transfer piping have been complete for the Phase I well to transfer building runs. Structural steel erection has been initiated at five of the seven buildings. During three weeks in October, a night shift was utilized for RAD building enclosure. This extra shift allowed slab on

grade pours to be completed during the day shift. Long-lead equipment is being fabricated with the first to arrive in late November.

- Construction of all three buildings for the 100-DX Pump-and-Treat is complete. Installation of the pH adjustment system at the Process Building was completed on October 28, 2010. Acceptance Testing is approximately 50% complete. The following have successfully completed testing: all extraction well pumps and instruments, all M1 and M2 Transfer Building instruments, the ion exchange vessels have been pressurized and leak tested, and the resin performance has been tested with contaminated groundwater. 200E Unsecured Core Complex – S&GW2 sheet piling has been completed along with installation of plumbing and electrical wall lines.
- EPC2 is in the process of framing and roughing in the electrical and plumbing. EPC1 Build Out completed both approaches and doorway rework was completed with respect to the internal framing and final exterior concrete work.
- S&GW1 installed all of their underground utilities and placed the main concrete slab of 444 cubic yards

EPC Projects in Support of S&GRP – Base

- 200 West Area Groundwater Treatment Facility –S/SX transfer building is under construction with the structural steel part of the building and 30% of transfer piping on site, all eight road crossings completed
- Construction has begun on the 100-HX Pump-and-Treat Construction Project. The Process Building wall sheeting, roof installation, CMU walls at the chemical tank storage pads are complete. The H1 Transfer Building site has been cleared and grubbed in preparation for excavation of the footings and stem walls. Eighteen of 27 road crossings are complete. HDPE pipe laying and bonding is 49% complete.

ARRA - GW OPERATIONS**Well Drilling and Decommissioning – ARRA**

	October		Cumulative	
	Planned	Completed	Planned	Completed
KR-4 RPO – 4 wells	0	0	0	0
KR-4 RI/FS – 13 wells	1	0	9	6
100-NR-2 Barrier Emplacement – 171 wells	0	0	171	171
100-NR-2 RI/FS – 8 wells	1	0	2	0
100-HR-3 Bioremediation TT – 4 wells	0	0	0	0
100-HR-3 H Area RPO – 40 wells	0	0	40	37
100-HR-3 D Area RPO – 30 wells	0	0	30	30
100-HR-3 RI/FS – 15 wells	0	0	0	0
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 – 6 wells	1	0	9	6
100-FR-3 – 3 wells	0	0	3	2
300 FF-5 RI/FS – 11 wells	0	1	3	4
Drilling Total	3	1	270	259
Decommissioning Total	10	0	185	176

BASE - GW OPERATIONS**Environmental Strategic Planning:**

- Kicked-off the “Technical Work Groups” of the Senior Executive Committee (SEC) action items to develop agreement on two processes:
 - Graded Approach for Establishing Soil Cleanup Levels Protective of Groundwater
 - Development of Ecological (Soil) Protection Values

Risk and Modeling Integration Group:

- Conducted an integration workshop on the 100-D/H remedial investigation/feasibility study document

Integration Management:

- Established a WIDS working team with DOE, other site contractors, and regulatory agencies to develop a new TPA-MP-15 Procedure to govern classifying waste sites status. A presentation will be made to the IAMIT on the status of WIDS.
- Coordinated the Deep Vadose Zone multi-project team meeting
Completed a three day integrated contractor workshop focused on how River Corridor waste sites will be carried through RI/FS evaluations resulting in the selection of final preferred remedial actions

River Corridor**100-BC-5 Operable Unit - Base**

- Final planning and preparations were completed for collecting upwelling (river-porewater) samples from the bottom of the Columbia River along the 100-BC Area as proposed in the RI/FS Work Plan Addendum and SAP. The sampling subcontract was awarded, and sampling is expected to begin early November. A kickoff meeting is scheduled for November 1, 2010.

100-KR-4 Operable Unit - Base

- The *Updated Treatment Plan for the Protection of Cultural Resources for the 100-KR-4 Pump-and-Treat Project - Formerly DOE/RL-96-44, Revision 0*, SGW-46017, Revision 1 was transmitted to RL
- The KR-4 P&T PLC upgrades and extraction well head modifications at transfer building #2 are complete and ready for construction completion walk down. Upgrades to the KR-4 treatment building are about 80% complete. PLC and well head modifications are about 65% complete at transfer building #1. Software logic for new HMI with new PLC is complete and ready for testing after construction is complete.
- Conducted 60% design review on the bio-infiltration system to be installed for the KW treatability test
- TPA-CN-359 was approved to convert extraction wells 199-K-149 and 199-K-150, where hexavalent chromium contamination is <10 ppb, to monitoring wells, and convert monitoring wells 199-K-152 and 199-K-182, where hexavalent chromium contamination is >60 ppb, to extraction wells connected to the KX pump-and-treat system

100-NR-2 Operable Unit - Base

- Implementation continues for the Rev. 0 100-NR-2 Barrier Expansion Design Optimization Study (DOS) that allows for a 600 foot expansion of the apatite permeable reactive barrier (PRB) in the saturated zone. The second injection skid system was delivered. The chemical supply contractor has delivered and set up all chemical tanks at the site. The overall system setup was initiated in the field. Injections are expected to begin in mid November.
- Field pilot testing of the NR-2 infiltration gallery was completed. This pilot testing is being conducted by PNNL using water with a bromide tracer. A final report is being prepared for summarizing the results.
- Field pilot testing of the NR-2 infiltration gallery was initiated on September 28, 2010. This pilot testing is being conducted by PNNL using water with a bromide tracer. A final report is being prepared to summarize the results.

100-HR-3 Operable Unit - Base

- DR-5 and HR-3 operated at normal capacity (~35 gpm and 200 gpm, respectively)
- The in situ bioremediation design was provided to EPC for fabrication of the system
- Efforts continued to address DOE comments on the 100-HR-3 DRD/RA work plan, Integrated Sampling and Analysis Plan, Waste Management Plan, and In-situ Bioremediation Well Drilling Sampling and Analysis Plan.

Central Plateau**200-ZP-1 Operable Unit - Base**

- Eleven of 14 groundwater extraction wells are online pumping water at 428 gpm. One extraction well (#5) is being kept offline due to low flow. Extraction #4 is currently offline supporting pressure pulse testing. Extraction well #6 is offline due to some communication problems between the well and the control room.
- Extraction wells 299-W11-45 and 299-W11-46 are online pumping water to ETF at a pumping rate of approximately 50 gpm. ETF will shut down for a few weeks (November 29 – December 18) to repair several small leaks and perform other maintenance.

Deep Vadose Zone - Base

- Completed the Performance Measurement Baseline planning for 200-DV-1 OU as part of the Mod 95 Change Proposal
- Held the first Deep Vadose Zone Multi-Project Team meeting with representatives from DOE-RL, DOE-ORP, DOE-EM32, EPA, Ecology, PNNL, WRPS and CHPRC
- The FTP and SAP for the Uranium Sequestration Pilot Test has been submitted to tech editing, to be followed by CHPRC approval and transmittal to RL and Ecology as a Draft A document for their review and approval. The submittal of this document supports TPA milestone M-015-110C “Submit uranium treatment technology field test plan as an element of the RCRA facility investigation tool and remedial investigation for the 200-DV-1-OU to Ecology”. These were the two remaining regulatory documents needed to support field execution of this test.

RL-0040 Nuclear Facility D&D, Remainder of Hanford**ARRA – U Plant/Other D&D**

- U Plant Regional Closure Zone (U Ancillary Facilities D&D)
 - Continued load out activities on 224U and 224UA
- U Canyon Demolition and Cell 30 Disposition
 - A contract has been issued for the haul road for the grout plant
 - Design is finishing and fabrication starting for the cask needed to ship the T-10 tank to T Plant with an expected delivery date of December 16, 2010
 - Preparations are in progress for the insertion of absorbent and closure of the D-10 tank in cell 20. Asbestos abatement activities continue in the pipe and operating galleries
- 200E Project
 - Initiated asbestos abatement in 284E
 - Completed final clean up and demobilization at 272E
 - Continued demolition of conveyor and crusher house at 284E
- 209E Project
 - Continued 209E characterization and cold and dark planning activities
 - Began work on readiness assessment process, including, implementation of the now approved Design Safety Analysis (DSA) and Notice of Construction (NOC)
 - Obtained nondestructive analysis (NDA) support personnel for the project
 - Began internal inspection of tanks to verify the tanks are dry for removal activities
 - Began mock-up work on tank cutting activities
- 200W Project
 - Continued with characterization activities
 - Continued cold and dark activities
 - Completed the demolition of X-8

ARRA – Outer Zone D&D

- BC Controlled Area Waste Site Remediation
 - Remediation using super dump trucks continued with approximately 251,000 tons cumulative to date of soil removed and transferred to ERDF
- 200-CW-3 Waste Sites
 - Excavation of site 216-N-4 is complete with approximately 36,350 tons of soil (cumulative) removed and transferred to ERDF
 - Excavation of remote, treat, and dispose (RTD) site 216-N-6 is complete with approximately 8,100 tons of soil (cumulative) removed and transferred to ERDF
 - The response action completion documentation for waste site 216-N-4 and 216-N-6 is in preparation
 - The response action completion documentation for waste site 216-N-1 was approved with closure documentation forwarded to regulators for approval; CHPRC is incorporating regulator comments
 - Waste sites 600-285PL, 2607N, 2607P, 2607R, 200-N-3, UPR-200-N-1, and UPR-200-N-2 have been remediated/evaluated with the reclassification approved
- MG-1
 - Reclassification/closure documentation for waste sites 200-E-101, 6607-2, 6607-1, 6607-3, 200-E-110, UPR-600-21, 600-51, and 600-262 has been submitted for approval
 - Site 600-37 is a CSNFA site with confirmatory sampling completed. Closure documentation has been prepared and is in final review within CHPRC prior to submittal to RL.
 - Waste sites 600-36, 600-38, 600-218, 200-W-33, UPR-600-12, and 600-222 were originally planned CSNFA, however sampling of the sites indicated some excavation will be required
 - Waste site 600-275 post-excavation sample results indicate that further excavation is required. This excavation is expected to occur in November.
 - Excavation of waste site 600-222 is in process with approximately 150 tons shipped to ERDF
 - Initial excavation for site 600-40 was completed and initial verification samples were collected. Following additional excavation, in-process samples were found to be within the Remedial Action Level (RAL). The verification sampling is planned in November.
 - The Remedial Action Work Plan (RAWP) that was updated to include 37 waste sites added with the approved Action Memorandum (AM) has been approved
 - The additional excavation of site 600-36 that was performed in August and evaluation of sampling results in September indicate no further excavation necessary. The closure documentation is in preparation.
 - CSNFA sampling is continuing at the Old Central Shop Area site
- ALE D&D
 - Continued cold and dark and characterization on the remaining upper ALE facilities
 - Complete demolition of 6636 and 623-A on upper ALE
- NORTH SLOPE
 - Initiated debris pile cleanup activities
- RAILCARS
 - RAWP submitted to RL for review
 - EE/CA submitted to EPA for review
 - Contract awarded to FSS

Base

Based on verification samples, additional excavation of 600-38 performed in August and evaluation of sampling results in September indicate no further excavation is required. The closure documentation is in preparation.

Excavation of pipeline 600-286-PL was completed with approximately 7,300 tons (cumulative) removed and transported to ERDF. Verification sampling is expected to be performed in December.

Excavation of pipeline 600-287-PL was initiated with approximately 2,500 tons removed and transported to EEDF.

Excavation of previously failed CSNFA waste site 600-222 was initiated in October with approximately 150 tons of soil removed and transported to ERDF.

B-Plant Exhaust System was shutdown, the pre-filters were replaced, and the system was restored to normal operation.

RL-0041 Nuclear Facility D&D, River Corridor

ARRA

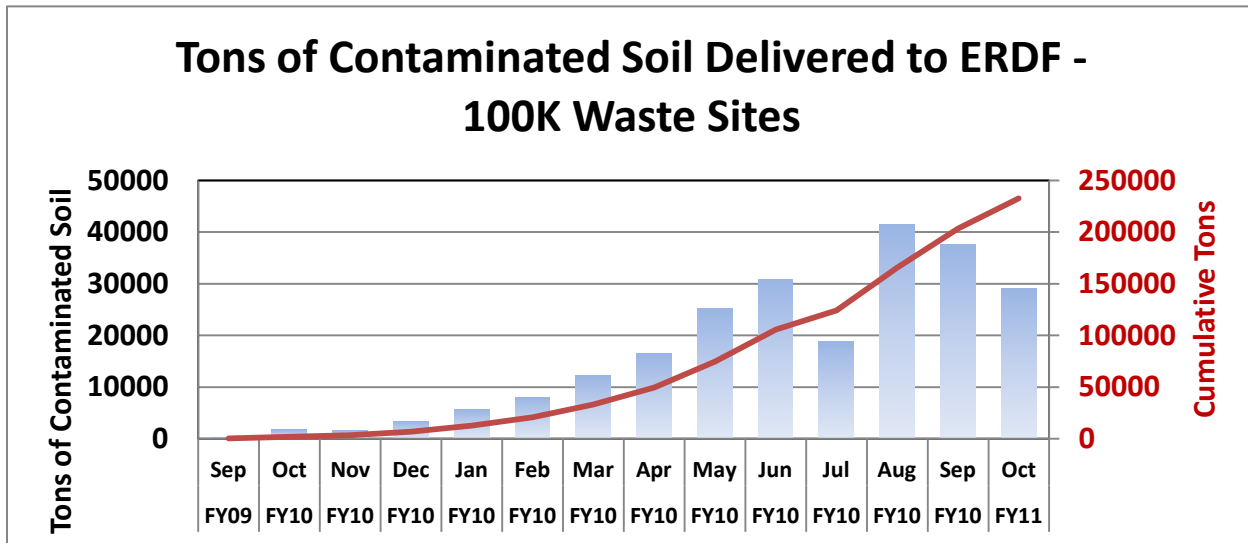
Facilities

- The 105KE Management self-assessment was performed and approved to start D&D activities
- 105KE Reactor continued demolition on the west side of the reactor building and initiated demolition of the 105KE discharge chute
- The 115KE Gas Recirculation Building sampling results required installation of grout ports on the tanks which will then be grouted at ERDF; the tie-down analysis determined they could be shipped under Department of Transportation guidelines. Shipment should occur in mid-November. This facility has been turned over to the Waste Site Remediation team to remove the below-grade structure as part of their waste site which should begin in late November.
- The 117KE Exhaust Air Filter Building was turned over to the Waste Site Remediation team to remove the below-grade structure as part of their waste site which should begin in late November
- The 1706KE Radiation Control Counting Laboratory and 1706KER Water Studies Recirculation Building substructures have been turned over to Waste Site Remediation's subcontractor for removal with their adjacent waste sites which should begin in December
- Completed demolition (but not load-out) of the 183.2KW Sedimentation Basin, along with a few sumps that were previously planned to be left in place. The stock-piled debris should be moved to U Plant as clean fill in December/January.
- Completed draining glycol in 115KW. The only remaining glycol is in the 165KE Power Control Building glycol lines which will be drained after the 165KE boiler room asbestos is removed in approximately five months.
- Characterization sampling of the 183.1KE Head House should complete in November with sample results of adjacent waste tanks received in December. The stop-work at the lab doing the sample analysis was lifted at fiscal month end, and their backlog is impacting sample turnaround times.
- Deactivation is being performed as a mega-package affecting 183.1KE, 183.7KE Tunnel, 181KE River Pump House/1605KE Guard Shack, and 190KE/190KW Main Pump Houses. Deactivation is on hold but should complete after major electrical and water system upgrades are completed in mid-December.
- The 183.4KW and 183.4KE Clear Well deactivation was placed on hold, as part of the mega-package awaiting utility upgrades. The 183.2KE basin and both clear wells will continue to supply fire protection water until after major electrical and water system upgrades are completed mid-

December. The basins and clear wells must be drained prior to below-grade demolition of 182K Emergency Water Reservoir Pump House (detailed below). This narrow window of opportunity is being closely planned.

Waste Sites

Work progressed somewhat slower than expected for the month of October. Minor weather delays were caused by wind and rain during the month. Plus, the cultural discovery and ensuing visits and investigations slowed work. The monthly total for October was somewhat diminished from recent months but still above plan.



HVAC Project

Performed successful systems testing under full operation

Electrical Project

- Completed prioritization of closeout activities required for transitioning from A-7 yard to A-9 yard/substation
- Completed grounding grid evaluation on the A-9 switch yard

Water Project

- Obtained subcontractor fire protection engineering support to resolve outstanding fire protection issues
- Successfully reworking and correcting issues with Fire Protection Design and Installation

Other

Completed sludge vacuuming in the North Load-Out Pit of the K West Basin. Completed the preventative maintenance activities and the MCO proficiency test. Continued to extract and ship sludge samples from Container 230.

Base

Facilities

- 105KE Reactor Disposition EE/CA, Draft A, is released for public comment
- 110KW Gas Storage Facility demolition will be performed with the nearby 115KW. The adjacent rail car offload station will be removed as part of this facility's cleanup.
- The 115KW Gas Recirculation Building additional hard-to-detect sampling required by Radiation Control should occur in November. Electrical isolation is planned in November. The need for tie-down analysis on shipping those tanks to ERDF is just beginning. Similar tanks in 115KE were recently determined to be Department of Transportation-shipped, thus didn't require tie-down analysis.
- The 117KW Exhaust Air Filter Building characterization was performed and the final report is nearing completion. Electrical isolation is planned in November. Above-grade demolition is planned to occur in December.
- The 118KW Horizontal Control Rod Storage Cave is ready for demolition, which will commence in November with removal of the gravel covering the facility. Boxes for the hot debris have been prepared and staged on-site. Once the building cover is removed, the debris will be moved, and then the rest of the building will be demolished and loaded out in January.
- Deactivation has been placed on hold for four buildings which will be removed at one time after the utility upgrades occur mid-December. The buildings are the 1717K Maintenance Transportation Shop, 1717AKE Electrical Shed, 1724K Maintenance Shop, and 1724KA Storage Shed. A large quantity of connex boxes, two huge tents, and a new tool crib mobile office are being procured to replace the storage capacity; and a new array of K West mobile offices were built for current K West Operations support personnel and for future occupants needed to support the Sludge Treatment Project in out-years.
- Demolition is on hold for the 182K Water Reservoir Pump House. The below-grade water reservoir connects directly to the 183.4KE clear well, which provides the service water/fire protection water for 100K. The shut-off valves between these two facilities leak, thus below-grade demolition cannot commence until the new utility systems are operational this fall and the 183.4KE clear well water and 183.2KE sedimentation basins are drained.
- The 183KE Chlorine Vault is awaiting demolition. Operations will continue to utilize the building until after the utility upgrades mid-December, after which time occupants will be re-located and demolition should commence.
- Leased facility MO872 Radiation Control Trailer is being re-installed in its new location. A contract is being issued to hook up electrical power at the new site. A worker change trailer and separate shower trailer are being installed at the same time, planned in early December.
- The four K West mobile offices (MO236, MO237, MO323 and MO955) were emptied of occupants/contents and mechanically isolated. The electrical disconnects should happen in November with demolition by November month end. This demolition work was accelerated from FY2012.

- After the utilities upgrades finish mid-December, a group of facilities will be deactivated. Their initial characterization walk downs have been performed, and characterization sampling finished in September. These facilities are 105KE/KW Tunnels, 1506K1 Fiber Optics Computer Hut, 165KE/KW Power Control Buildings, 166AKE Oil Storage Facility, 166KE/166KW Oil Storage Vaults, 167K Cross-Tie Tunnel and Building, 1705KE Effluent Water Treatment Pilot Plant, 181KW River Pump House/1605KW Guard House on 181KW, 183.2KE Sedimentation Basin, 183.3KE Filter Basin, 183.5KE/183.6KE Lime Feeder Buildings, and 185K Potable Water Treatment Plant. The 1908K Outfall and 1908KE Effluent Monitoring Station were added to this scope, which is accelerated from FY2012. The 151K Electrical Substation was also added, which is accelerated from FY2013. Once the en-mass deactivation occurs, the demolitions will be performed on a staggered schedule.

Waste Sites

- Thirteen waste sites that were previously ARRA funded were migrated to base as the extent of contamination exceeded the ARRA-defined work scope. In addition, 100-K-63, which was originally ARRA funded, was migrated to base funding while maintaining ARRA historical reporting.
- Waste site 1607-K3 excavation was completed pending sample results

MAJOR ISSUES

RL-0011 Nuclear Materials Stabilization and Disposition of PFP

Issue Statement – More effective decontamination agents for gloveboxes/hoods with contamination etched into the stainless steel by historical liquid chemical processes are not currently available.

Corrective Action/Status – The CHPRC Joint Evaluation Team review of the Aspigel[®] decontamination process concurred with the project determination that a Level 3 RA was the appropriate level of readiness review for implementation of Aspigel[®] at PFP. The independent RA team is scheduled to complete their review from November 17th to 19th with the subsequent release of the final report to follow shortly thereafter. Activities completed in preparation for the RA include the HRB evaluation and approval of the work package for the first application of Aspigel[®], additional mock-ups using water, and an operational drill.

Issue Statement – PFP submitted an “R” occurrence report due to recurring events and overall poor conduct of operations.

Corrective Action/Status –

- Implemented Senior Supervisory Oversight
- Brought in outside expertise to assist the project in performance of the Common Cause Analysis
- Common Cause Analysis prepared and approved by Executive Safety Review Board
- Corrective Actions entered into CRRS (CR 2010-2424)
- Occurrence Report is Final

RL-0013 Waste and Fuels Management Project

Issue – Avoid falling behind recovery plan to retrieve 2,500 m³ by September 30, 2011.

Corrective Action – Establish FY2011 volume recovery forecast by November 2010.

Status – Achieved Recovery Plan volume as of September 30, 2010 (805 m³ removed, 697 m³ shipped). Recovery schedule supports TPA milestone of 2,000 m³ by September 30, 2011. Finalizing FY2011 volume recovery plan.

Issue – Approval of full implementation of CCP Certification Program at Hanford.

Corrective Action – EPA Baseline Report for CCP Certification submitted in September allowing full implementation of CCP Certification Program at Hanford.

Status – CCP Certification letter expected in December.

Issue – Beryllium (Be) control issues at WRAP and T-Plant Repack Operations.

Corrective Action –

- WRAP – develop Be Program, issue Be Hazardous Assessments, and revise procedures.
- T-Plant – develop Be Program, develop a Hazardous Assessment for approval, and revise procedures.

Status –

- WRAP – workforce entered in Be Program, Be Hazardous Assessment approved, procedures under revision. Restart December, 2010.
- T-Plant – workforce received blood draws and class work (3 – 4 week required for blood work results), Be Hazardous Assessment Plan developed. Restart late December, 2010.

RL-0030 Soil and Groundwater Remediation

Issue – Several performance issues have been identified for samples from CHPRC O-Zone, 100-K Waste Sites, and D&D projects submitted to WSCF for analysis during periods of very high sample loads. The issues include delay in meeting project due dates for analysis reports and custody and traceability for certain beryllium samples.

Corrective Actions – Mitigating actions for missed turn-around times have included discussions with WSCF management toward developing guidelines for the diversion of samples to off-site laboratories when WSCF internal capacity is reached, and daily look-aheads supplied to WSCF by S&GRP as to the number of samples and their report due dates to be collected each day for the next week. With respect to the beryllium samples, investigation by WSCF continues.

Status – WSCF has identified and is implementing short-term (completed by 10/31/10), mid-term (to be completed by 12/31/10), and long-term (to be complete after 1/1/2011) corrective actions to prevent recurrence of the above issues.

Issue – The RI/FS drilling schedule has been impacted by the S&GRP stop work initiated on 9/27/2010 and continues through the fiscal month of October. The drilling program expects a schedule loss of 26 work days.

Corrective Actions – 100-HR-3 and 100-KR-4 Operable Units are receiving drilling and sampling priority. Three drill rigs are available to support the investigation. Additional efforts to support recovery include evaluating the use of faster turnaround times for laboratory analysis, accelerating sample analyses data return, and optimizing the schedule to reduce the time necessary to prepare Draft A.

Status – Stop work was lifted and drilling restarted on November 1, 2010 for ZP-1, BC-5, KR-4, FR-3, HR-3 and 300-FF-5. Priority has been given to the 100-HR-3 and 100-KR-4 Operable Units for drilling, sampling and analyses.

Issue – Comment resolution continues on the 100-N RI/FS Work Plan Addendum.

Corrective Actions – Comment resolution and the needed path forward for success will be a topic of discussion at the next IAMIT meeting.

Status – CHPRC continues to work the parties involved to facilitate timely comment resolution.

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

Issue – The RAWP with TPA Change Notice was updated to include waste sites added with the approved MG-1 AM. The initiation of remediation of the MG-1 waste sites 600-222, 200-W-147-PL, 600-OCL, and 600-226 is on hold until the RAWP is approved.

Corrective Action – CHPRC is addressing regulatory comments on the RAWP.

Status – The RAWP and TPA changes were issued. Issue is closed. This will be the last report of this issue.

RL-0041 Nuclear Facility D&D, River Corridor

Issue – Extent and severity of contamination in the UPR-100-K-1/100-K-42 waste site footprint and D4 demolition area is much higher than planned in the baseline. The significance of this higher-than-anticipated contamination is the work must be conducted under nuclear Hazard Category three controls, productivity will be at a diminished rate, and a larger volume of contaminated soil will need to be removed.

Corrective Action – Mitigation of the issue tied to higher-than-anticipated contamination levels has not been resolved to date. Corrective actions have included maximizing productivity by ensuring the containers are loaded to their maximum weight without exceeding legal load limits. This yields a higher ton-per-container average with some positive influence on the overall schedule.

Status – D4 removal of the discharge chute started in mid-October. Waste site work is on hold until the chute is removed.

Issue – Thirteen new sites have been discovered where radiological or chemical contaminants are above cleanup standards.

Corrective Action – The sites are being added to the contract via Change Proposal (CP).

Status – The CP/BCR process has been initiated for these newly discovered waste sites. An Advanced Work Authorization (AWA) was issued for 100-K-109. Work started in July under the AWA. A BCR for 100-K-97, -98, -99, and -100 was submitted for RL review but was returned and a change proposal was requested. CP-1061 addressing these four waste sites will be submitted to RL in early November. Additional CPs will be submitted for the sites not covered in CP-1061.

Issue – Extent and severity of contamination in multiple waste sites is much higher than anticipated.

Corrective Action – Work is continuing on these sites in order to meet ARRA and TPA milestones even though the cost and schedule are impacted.

Status – BCR-PRC-10-047R0 was implemented in September. Excavation activities in excess of the original planned tons and all sampling, closeout, backfill, and re-vegetation activities for 13 sites were moved from ARRA to base. Additionally, CPs are being prepared for the remaining change-of-condition sites not addressed in BCR-PRC-10-047R0. While this issue is anticipated to resurface, the issue is currently closed. This is the last report of this issue.

Issue – The remaining outages (electrical and water) will require significant integration with MSA and 100K Operations to minimize disruptions to existing activities.

Corrective Action – Established weekly meetings with MSA to coordinate outages and assure resources are available. Project Manager is coordinating with 100K Operations to determine best available outage times and define financial resource needs from MSA.

Status – An integrated schedule and MSA cost impacts are being developed to identify outages for electrical and water projects and provide time for MSA and 100K Operations to minimize impacts.

Issue – Activities required for cultural resources evaluation in the eastern flood plain are delaying the start of waste site 100-K-57.

Corrective Action – Pursue a partial release to begin work in unaffected areas of 100-K-57 while a Cultural Resources Review is conducted. Develop a Cultural Mitigation Action Plan acceptable to stakeholders in order to release the rest of the site.

Status - Analysis of artifacts is underway. The need for further mitigation has not yet been determined.

Issue – Procedure development and operational training for the HVAC and Water Projects may require more time than allotted.

Corrective Action – Project lead for the HVAC Project has defined 11 new procedures and 1 revision. Project lead for the Water Project has defined 21 procedures for modification.

Status – Seven HVAC procedures have been published to date with five through comment incorporation; five water procedures are through comment incorporation. Cost impacts are being defined for a BCR.

Issue – Change orders in the Power/Water/HVAC Projects have caused an increase in cost and schedule delays throughout the lifecycle of the Utilities Project. These change orders have been incurred due to design changes, additional material/equipment and labor, added subcontractor work scope (i.e., road improvements and debris removal), and unforeseen obstruction/underground utilities.

Corrective Action – Efficient evaluation, communication, and implementation of change orders/claims by Project Management and supporting staff to alleviate additional cost associated with implementing change orders/claims.

Status – Continuing communication between management, subcontractors and supporting staff to minimize schedule/cost impacts associated with change orders/claims. A Baseline Change Request is being prepared.

WBS-000 Project Services and Support

Issue – The CHPRC Contract and the PRC Baseline are not in alignment.

Corrective Action – CHPRC and DOE-RL are working to reconcile the Contract and Performance Measurement Baseline through negotiation of Change Proposals with the goal of completing negotiations in December 2010.

Status – Nine major Change Proposals, to be submitted by December 3, 2010 in support of this effort, are in development.

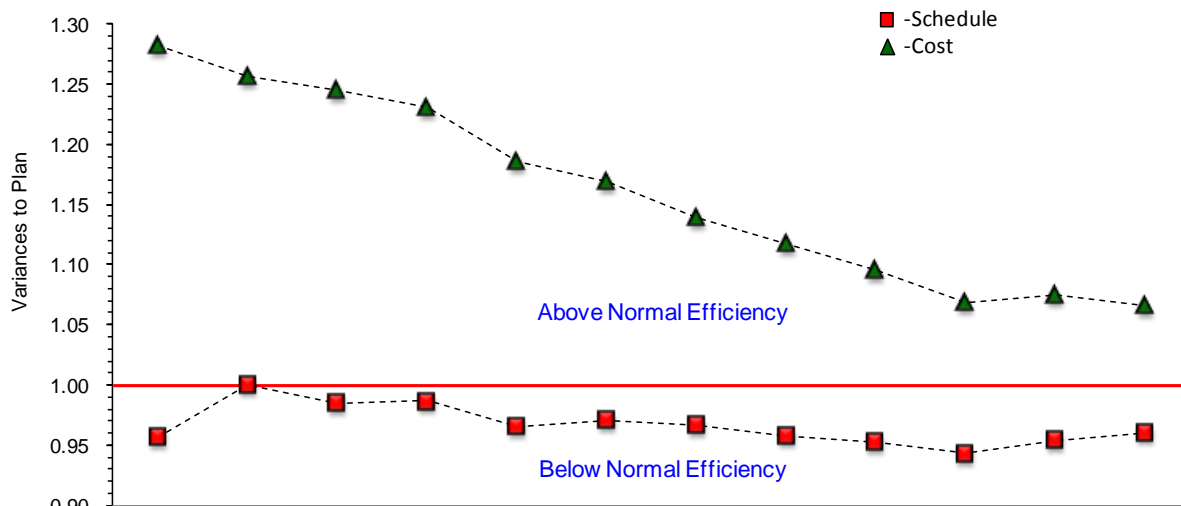
EARNED VALUE MANAGEMENT

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



	Nov-09	Dec-09	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10	Jul-10	Aug-10	Sep-10	Oct-10
MONTHLY SPI	0.87	1.29	0.92	0.97	0.84	0.98	0.92	0.91	0.89	0.92	1.13	1.10
MONTHLY CPI	1.12	1.20	1.14	1.05	0.91	1.08	0.88	0.89	0.91	0.83	1.07	0.93
-■- CTD SPI	0.97	0.99	0.99	0.99	0.97	0.98	0.97	0.97	0.96	0.96	0.97	0.98
-▲- CTD CPI	1.09	1.10	1.10	1.10	1.08	1.08	1.07	1.06	1.05	1.03	1.04	1.03

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

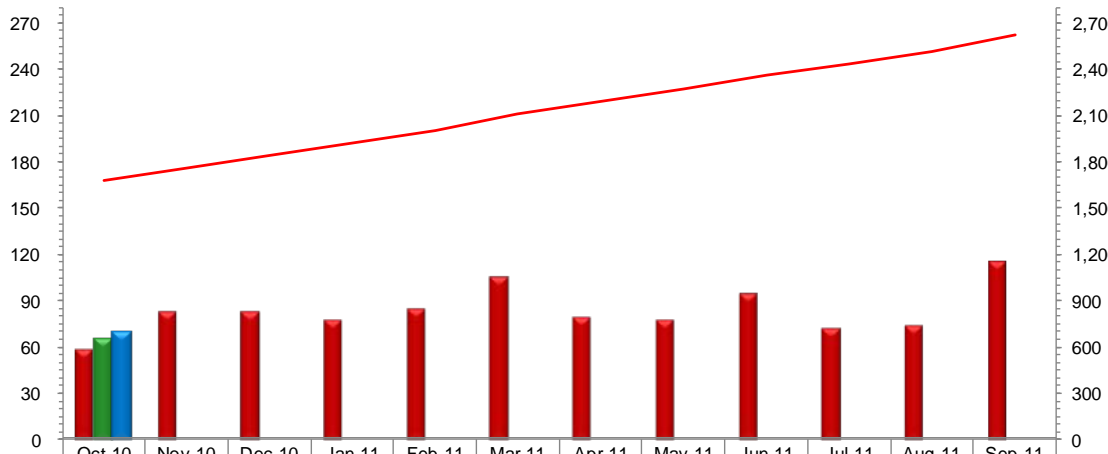


	Nov-09	Dec-09	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10	Jul-10	Aug-10	Sep-10	Oct-10
MONTHLY SPI	0.93	1.39	0.90	1.00	0.81	1.01	0.92	0.86	0.89	0.83	1.06	1.11
MONTHLY CPI	1.33	1.12	1.17	1.14	0.89	1.07	0.90	0.90	0.90	0.80	1.13	0.93
-■- CTD SPI	0.96	1.00	0.99	0.99	0.97	0.97	0.97	0.96	0.95	0.94	0.95	0.96
-▲- CTD CPI	1.28	1.26	1.25	1.23	1.19	1.17	1.14	1.12	1.09	1.07	1.07	1.07

Schedule and Cost Performance - ARRA and Base

Bars: Current Month (\$M)

Lines: Contract To Date (\$M)

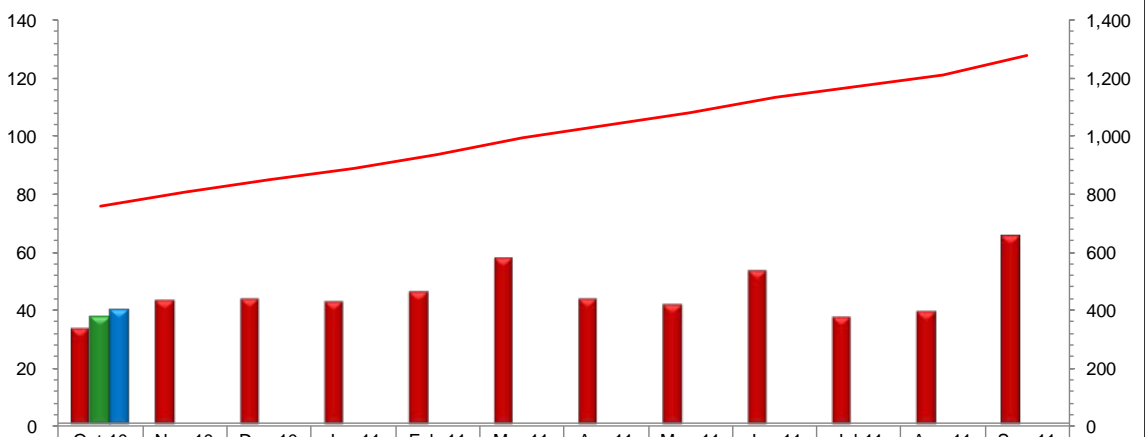


	Oct-10	Nov-10	Dec-10	Jan-11	Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11
MONTHLY BCWS	59.1	82.9	83.3	78.1	85.0	105.7	80.1	78.1	94.8	72.7	74.0	115.7
MONTHLY BCWP	65.0											
MONTHLY ACWP	69.7											
CUMULATIVE BCWS	1,675.6	1,758.5	1,841.7	1,919.9	2,004.9	2,110.6	2,190.7	2,268.8	2,363.6	2,436.3	2,510.3	2,626.0
CTD BCWP	1,637.3											
CTD ACWP	1,586.4											

Schedule and Cost Performance - ARRA

Bars: Current Month (\$M)

Lines: Contract To Date (\$M)



	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 BCWS	33.6	43.4	43.6	42.8	46.1	57.7	44.0	42.0	53.3	37.8	39.5	65.5
MONTHLY BCWP	37.5											
MONTHLY ACWP	40.1											
CUMULATIVE BCWS	761.1	804.4	848.1	890.8	936.9	994.6	1,038.6	1,080.5	1,133.8	1,171.6	1,211.2	1,276.6
CTD ACWP	685.7											
CTD BCWP	731.1											

Performance Analysis – October

ARRA Performance by PBS (\$M)

	Current Period				
	Budgeted Cost		Actual Cost ACWP	Variance	
	BCWS	BCWP		Schedule	Cost
RL-0011 - PFP D&D	7.0	9.0	7.1	2.0	1.9
RL-0013 - MLLW Treatment	1.0	0.2	0.3	(0.8)	(0.1)
RL-0013 - TRU Waste	5.9	6.9	5.9	1.0	1.0
RL-0030 - GW Capital Asset	7.8	7.7	10.1	(0.1)	(2.4)
RL-0030 - GW Operations	1.6	2.5	4.4	1.0	(1.9)
RL-0040 - U Plant/Other D&D	4.3	4.2	4.1	(0.1)	0.1
RL-0040 - Outer Zone D&D	3.1	4.1	3.4	1.0	0.7
RL-0041 - 100K Area Remediation	2.9	2.7	4.7	(0.2)	(2.0)
Subtotal	33.6	37.5	40.1	3.8	(2.6)

ARRA

The Current Month favorable Schedule Variance (+\$3.8M/+11.4%) reflects:

- The RL-0011 positive variance (+\$2.0M) is primarily due to a BCR that modified the Earned Value Method for Project Management activities. The method was changed from apportioned to level-of-effort.
- The RL-0040 positive variance (+\$.9M) reflects the following subproject performance:
 - The ARRA RL-0040.R1.2 Outer Zone D&D positive variance (+\$1.0M) is a result of continuing the modified approach to remediating the soils in the BC Control Area. To expedite clearing the bulk excavation portions of the site, a process of short-term onsite stockpiling was initiated; this stockpile has enabled a full utilization of haul capability since remediation has moved on to removal of more widely spaced spot contamination.
 - The ARRA RL-0040.R1.1 U Plant/Other D&D negative variance (-\$0.1M) is within reporting thresholds.
- The RL-0013 positive variance (+\$0.2M) reflects the following subproject performance:
 - RL-0013 TRU Waste (+\$1.0M) – TRU Characterization and Shipping executed CCP recovery plan resulting in recovery of prior period performance, TRU Retrieval recovered long-term box storage and Standard Waste Box (SWB) procurements planned in prior period, Next Generation Retrieval (NGR) Trench Face Retrieval and Characterization System (TFRCS) recovered schedule in readiness and site prep activities; partially offset by T-Plant Repack delay due to recovery actions (venting) for drum lid issue.
 - RL-0013 MLLW Treatment (-\$0.8M) – Mixed Low Level Waste (MLLW) shipments delayed due to weather conditions (high winds), brief suspension of heavy equipment moves as a result of management concern, slow startup of nondestructive assay (NDA) vendor at Perma-Fix Northwest (PFNW), coupled with planned 435.1 Compliance Waste processing achieved in prior period.

- The RL-0030 variance (+\$0.9M) reflects the following subproject performance:
 - The primary contributors to the negative variance in ARRA RL-0030.R1.2 GW Operations (+\$1.0M) that exceed reporting thresholds are as follows:
 - Ramp-up & Transition (+\$1.7M) – Work was performed for activities planned in prior months.
 - Drilling (-\$0.6M) – Management directed a sampling stop work which affected drilling. A corrective action plan is being developed and work will resume in November.
 - The various negative and positive variances within ARRA RL-0030.R1.1 Capital Asset (-\$0.1M) are within reporting thresholds.
- The RL-0041 negative variance (-\$0.2M) is within reporting thresholds.

The Current Month unfavorable Cost Variance (-\$2.6M/-7.0%) reflects:

- The RL-0030 negative variance (-\$4.3M) reflects the following subproject performance:
 - The primary contributors to the negative variance ARRA RL-0030.R1.1 GW Capital Asset (-\$2.4M) that exceed the reporting thresholds are as follows:
 - 200-ZP-1 Operable Unit (-\$1.9M) – Accruals were understated in September and were corrected in October. This current month correction will have no impact on total contract cost.
 - 100 HR-3 Operable Unit (-\$0.4M) – Installation of the pH adjustment system and the ATP are proceeding slower than planned so additional labor resources have been assigned resulting in the overrun.
 - The primary contributors to the negative variance ARRA RL-0030-R.1.2 GW Operations (-\$1.9M) that exceed the reporting thresholds are as follows:
 - Drilling (-\$0.8M) – Operations management directed a sampling stop work which has stopped drilling. A corrective action plan is being developed. The standby has resulted in cost overruns for the period.
 - PBS RL-30 UBS, G&A, and Direct Distributables (-\$0.6M) – The G&A/DD variance is discussed in Appendix C.
 - Ramp-up & Transition (-\$0.3M) – The fit out cost for S&GW maintenance facilities are greater than planned. Although fit out cost will overrun, the overall contract for the maintenance facilities will be within budget.
- The RL-0041 negative variance (-\$2.0M) is due to the following:
 - 100K Area Project (Facilities and Others) (-\$1.7M) – The negative cost variances in Utilities (-\$0.9M) has two components: the electrical project mobile substation subcontract and the water project subcontract, both of which are incurring extra costs; the Facilities (-\$0.6M) where below-grade demolition is being planned (115KE, 1706KER, 117KE) but has not started; and cold-and-dark being worked but unable to complete until after mid-December utility upgrades occur; 105KE Reactor (-\$0.6M) primarily due to the addition of the discharge chute demolition; and cost overruns due to inadvertent labor charges and contract percentage splits against multiple accounts. These are offset by positive variances in K West deactivation (+\$0.1M) due to no work performed on the small and medium debris disposition campaign although vacuuming activities were performed; G&A (+\$0.1M) due to rate efficiencies; and Project Management/MSA Assessments (+\$0.2M). The T Plant Large Diameter Container treatment activity was inadvertently coded as LOE, but work has not begun, therefore no cost has been realized against that BCWP.

- Waste Sites (-\$0.3M) – The unfavorable cost variance for waste sites is from WSCF charges that were billed twice, and coded to an ARRA rather than base WBS. This will be corrected next month.
- The RL-0011 positive variance (+\$1.9M) is due to earning 100% of FY2010 project management. These activities were previously portrayed as behind schedule in proportion to discrete D&D work.
- The RL-0013 positive variance (+\$0.9M) reflects the following subproject performance:
 - RL-0013 TRU Waste (+\$1.0M) – Schedule recovery in TRU Characterization and Shipping without increased cost, lower allocation costs for G&A and Direct Distributables, unaccrued costs for NGR site preparations, and Project Management labor charging to BASE account instead of ARRA (correction next month); partially offset by T-Plant Repack Line inability to make repack progress (due to drum venting issues) without commensurate reduction in cost.
 - RL-0013 MLLW Treatment (-\$0.1M) – Continued fixed costs for MLLW shipments without commensurate performance; partially offset by efficiencies in Large Type A waste container shipments to Perma-Fix Northwest (PFNW).
- The RL-0040 positive variance (+\$0.8M) is within reporting thresholds.

Base Performance by PBS (\$M)

	Current Period				
	Budgeted Cost		Actual Cost ACWP	Variance	
	BCWS	BCWP		Schedule	Cost
RL-0011 - Nuclear Mat Stab & Disp PFP	(1.4)	3.0	2.7	4.4	0.3
RL-0012 - SNF Stabilization & Disp	5.0	4.8	4.7	(0.3)	0.1
RL-0013 - Solid Waste Stab & Disp	5.4	5.9	6.2	0.6	(0.3)
RL-0030 - Soil & Water Rem-Grndwtr/Vadose	10.5	10.5	11.4	(0.0)	(0.9)
RL-0040 - Nuc Fac D&D - Remainder Hanfrd	1.2	1.5	1.8	0.3	(0.2)
RL-0041 - Nuc Fac D&D - RC Closure Proj	4.7	1.7	2.7	(3.0)	(1.0)
RL-0042 - Nuc Fac D&D - FFTF Proj	0.1	0.1	0.1	0.0	0.1
Subtotal	25.5	27.5	29.6	2.0	(2.1)

Base

The Current Month favorable Schedule Variance (+\$2.0M/+7.9%) reflects:

- The RL-0011 positive variance (+\$4.4M) is due to the Implementation of BCR-PRC-10-059R0, PRF Pencil Tank Replan (which included removal of the BROKK) that resulted in a single point adjustment (negative current period BCWS).
- The RL-0013 positive variance (+\$0.6M) is due to the Long Term Box Storage (LTBS) schedule recovery associated with alternative disposition via off-site treatment, coupled with Next Generation contact handled (CH) TRU Retrieval correction for previous month's overstated performance, acceleration of the Waste Receiving and Processing (WRAP) Facility Maintenance Shop Tool Crib Trailer, and schedule recovery on the Interim Storage Cask (ISC) Container Restraint System.
- The RL-0040 and RL-0042 variances (+\$0.3M) are within reporting thresholds.
- The RL-0041 negative variance (-\$3.0M) is due to the following:
 - Waste Sites (-\$2.6M) – A large part of the negative schedule variance (-\$1.3M) is from credits due to a reduced ERDF rate. This lower rate reduced total BCWS resulting in negative performance in the current month for the following waste sites: 100-K-63, 100-K-18, 100-K-3, 100-K-34, 100-K-68, 100-K-69, 100-K-70, 100-K-71, 100-K-47, 100-K-56 Part 1, 100-K-102, 120-KW-1, 120-KW-2, and 116-KE-3; (-\$0.5M) was due to CSNA sites and (-\$0.7) due to RTD work that were completed early with performance taken in prior months and the rest from minor activities which are behind schedule.
 - 100K Area Project (Facilities and Others) (-\$0.4M) – The negative variance is primarily due to (-\$0.2M) Facilities where cold and dark activities on Group 2 small facilities is being pushed by utility upgrades to mid-December and 105KE Reactor (-\$0.2M) due to delayed start of the final design due to rescheduling the 60% design review from June to November.
- The RL-0012 negative variance (-\$0.3M) is primarily in STP and is due to the slip in delivery of final test articles (STP Management decision to prioritize the KOP test articles over the ECRTS), which also impacts the estimated completion of the Preliminary Design Report date (\$0.3M).
- The primary contributors to the RL-0030 negative variance (-\$0.0M) that exceed the reporting thresholds are as follows:

- Regulatory Decision/Closure (-\$0.4M) – With the implementation of BCR-PRC-11-001R0 (Mod 95) some activities that are no longer part of the new plateau closure strategy were inadvertently left in the baseline and therefore have resulted in a current month negative schedule variance. A BCR is being prepared to remove these activities from the baseline and correct this error.
- 100 KR-4 Operable Unit (+\$0.3M) – CERCLA process implementation work and PLC Upgrade work planned in earlier months was completed in October.

The Current Month unfavorable Cost Variance (-\$2.1M/-7.7%) reflects:

- The RL-0041 negative variance (-\$1.0M) is due to the following:
 - Waste Sites (-\$1.3M) – The cost variance is related to credits from the reduced ERDF rate (-\$1.3). There are ERDF charges (-\$1.0M) that were billed in error and will be reversed next month, WSCF charges (+\$0.2M) that will be transferred as described above, and subcontractor costs (+\$0.8M) that were not accrued.
 - 100K Area Project (Facilities and Others) (+\$0.3M) – The positive variance for 105KE Core Removal (+\$0.3M) is primarily attributed to delay in finalization of core characterization, and Facilities (+\$0.1M) due to numerous small charges. This is offset by Project management (-\$0.1M) also due to numerous small corrections.
- The primary contributors to the RL-0030 negative variance (-\$0.9M) that exceed the reporting thresholds are as follows:
 - 100 HR-3 Operable Unit (-\$0.4M) – The cost overrun in the current month is primarily due to the delivery of the ion exchange train during October. The rules of performance for the procurement of the ion exchange trains are understating the true value of performance associated with the trains and have therefore resulted in a current month negative cost variance. The rules of performance will be corrected to reflect the appropriate value in the future with no impact to overall cost performance of the contract.
 - GW Monitoring and Performance Assessments (-\$0.3M) – WSCF costs for October are high due to the early cut off for billing in September for WSCF year-end billing and the catch-up for samples on hand. No impact to the overall estimate for WSCF.
- The RL-0013 negative variance (-\$0.3M) is due to assessments continuing above plan, extended lease for CRS crane, Project Management labor charges to Base instead of ARRA (correction next month), partially offset by lower costs for LTBS, WRAP Maintenance Shop Tool Crib Trailer progress without commensurate costs, and efficiencies at T-Plant.
- The RL-0011, RL-0012, RL-0040 and RL-0042 variances (+\$0.3M) are within reporting thresholds.

Performance Analysis – Contract to Date

ARRA Performance by PBS (\$M)

	Contract to Date					Contract Period		
	Budgeted Cost		Actual Cost	Variance		BAC	EAC	Variance
	BCWS	BCWP	ACWP	Schedule	Cost			
RL-0011 - PFP D&D	159.4	150.2	143.5	(9.2)	6.7	277.5	270.3	7.1
RL-0013 - MLLW Treatment	33.1	32.2	30.3	(0.9)	1.9	47.8	46.2	1.5
RL-0013 - TRU Waste	124.1	121.6	121.1	(2.4)	0.5	249.2	246.9	2.4
RL-0030 - GW Capital Asset	80.7	74.6	74.7	(6.1)	(0.0)	168.5	168.7	(0.2)
RL-0030 - GW Operations	59.4	53.6	46.5	(5.8)	7.0	84.3	81.0	3.2
RL-0040 - U Plant/Other D&D	129.2	125.1	111.8	(4.2)	13.2	196.7	186.4	10.3
RL-0040 - Outer Zone D&D	47.7	48.1	39.0	0.5	9.1	83.0	81.9	1.1
RL-0041 - 100K Area Remediation	127.6	125.8	118.7	(1.8)	7.1	169.7	159.0	10.6
Subtotal	761.1	731.1	685.7	(29.9)	45.4	1,276.6	1,240.4	36.2

ARRA

The CTD unfavorable Schedule Variance (-\$29.9M/-3.9%) reflects:

- The RL-0030 negative variance (-\$11.9M) reflects the following subproject performance:
 - The primary contributor to the ARRA RL-0030.R1.1 GW Capital Asset (-\$6.1M) CTD negative variance that exceeded the reporting thresholds is as follows:
 - 200 ZP-1 Operable Unit (-\$6.5M) – Long-lead procurements are behind schedule due to design release delays. CH is working with contractor to increase manpower/OT to recover schedule. Schedule recovery is expected by January 2011.
 - The primary contributor to the ARRA RL-0030.R1.2 GW Operations (-\$5.8M) CTD negative variance that exceeded the reporting thresholds is as follows:
 - Ramp-up & Transition (-\$4.6M) – due to 1) The construction contractor's performance is less than planned due to their inability to obtain required levels of staffing, 2) Limited engineering resources due to competing priorities, 3) The re-work that was required on the foundation due to incorrect placement. The contract is currently forecast to complete four months behind schedule. A recovery plan is being worked with the project completion date expected to be in January 2011.
- The RL-0011 CTD negative variance (-\$9.2M) is primarily due to the following:
 - Safety stand-down and stop works
 - Breathing air issues
 - Ultra conservative application of the SCO process
 - Unplanned process vacuum mockup work to support application of new glovebag technique
 - Recovery – Utilization of an additional decontamination agent (Aspigel[®]), additional overtime, leaving gloveboxes in place for removal during demolition, and application of the revised SCO process are expected to contribute to the gradual the schedule recovery. The Aspigel[®] Readiness Assessment has been initiated, with authorization for use expected in early December.

- The RL-0040 negative variance (-\$3.7M) reflects the following subproject performance:
 - ARRA RL-0040.R1.1 U Plant/Other D&D (-\$4.2M) – The negative schedule variance is due to the following that exceed the reporting thresholds: Late award of the grout contract for U Canyon (-\$3.2M), Delays with the 200E Administration Buildings (-\$2.2M) due to bio-hazard and radiological control issues, and U Ancillary demolition (-\$0.3M) schedule delays due to asbestos abatement/respirator issues. This is offset by accelerating 209E demolition preparation, mobilization, and asbestos abatement (+\$1.2M) and asbestos abatement for 200 West (+\$0.3M).
 - ARRA RL-0040.R1.2 Outer Zone D&D (+\$0.5M) – The CTD favorable schedule variance primary contributors are accelerated progress on BC Control Area (+\$1.8M) and CW-3 waste sites (+\$0.2M), offset by delays in MG-1 and outer zone pipelines (-\$1.0M). Several ALE towers have not been released for work causing a negative variance (-\$0.4M) and delays with cultural/ecological reviews on the North Slope (-\$0.1M).
- The RL-0013 CTD negative variance (-\$3.3M) reflects the following subproject performance:
 - RL-0013 TRU Waste (-\$2.4M) – Delay in full Central Characterization Program (CC) implementation, delay in T-Plant Repack operations due to drum lid issue recovery actions (venting), delay in NGR staff training and assembly operations for Trench Face Retrieval and Characterization System (TFRCS) and Trench Face Process System (TFPS).
 - RL-0013 MLLW Treatment (-\$0.9M) – Delay in shipments to offsite treatment facility utilizing Large Type A Container, fewer Mixed Low Level Waste shipments than planned to date due to weather conditions (high winds), brief suspension of heavy equipment moves as a result of management concern, slow startup of nondestructive assay (NDA) vendor at Perma-Fix Northwest (PFNW); partially offset by 435.1 Compliance Waste processing being achieved ahead of schedule.
- The RL-0041 CTD negative variance (-\$1.8M) is within reporting thresholds.

The CTD favorable Cost Variance (+\$45.4M/+6.2%) reflects:

- The RL-0040 CTD positive variance (+\$22.3M) reflect the following subproject performance:
 - ARRA RL-0040.R1.1 U Plant/Other D&D (+\$13.2M) – The favorable cost variance is largely due to favorable performance of the Cold and Dark teams and the Sampling and Characterization/Waste Identification Form teams (D4) (+\$3.1M), G&A and direct distributable allocations (+\$8.4M), less for Program Management than planned (+\$0.9M), efficiencies at U Canyon (D4) (+\$2.9M), less resources than planned for C-3 Sampling (+\$0.7M) and 200E Administration (+\$1.8M), lower than planned costs for capital equipment (D4) (+\$2.7M), less asbestos abatement required for 200 West buildings (+\$1.2M), 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) (-\$6.9M), coupled with increased insulator staff and overtime to recover schedule, 209E Project (+\$0.1M), and higher MSA (-\$1.8M) costs for Fleet/Training, etc. In addition, minor accounts outside the threshold (+\$0.1M).
 - ARRA RL-0040.R1.2 Outer Zone D&D (+\$9.1M) – The favorable cost variance is due to efficiencies in ALE and North Slope Facilities D&D (+\$4.5M) and Outer Area waste sites (+\$5.7M). The waste site favorable CTD variance is primarily due to an O-Zone RTD Waste Sites adjustment (passback) to ERDF waste disposal costs reflecting the operational efficiencies of the super dump trucks. This is offset by the disposition of railcars (-\$0.1M) due to unplanned costs for nondestructive analysis of the cars and increase costs for the 212N/P/R Project (-\$1.0M) due to the walls of the basins being much thicker than estimated.

- The RL-0041 CTD positive variance (+\$7.1M) is due to the following:
 - Waste Sites (+\$9.9M) – The positive cost variance is caused by early completion of 100-K-55 Part 1 and CSNA sites and by implementation of BCR-PRC-10-047R0 which moved excavation activities in excess of the original planned tons and all sampling, closeout, backfill, and re-vegetation activities for 13 sites from ARRA to Base.
 - 100K Area Project (Facilities and Others) (-\$7.8M) – The positive variance is mostly attributable to K West deactivation (+\$2.0M) for the debris removal campaign removing smaller debris units first and efficiencies from utilizing experienced staff. Facilities (+\$0.9M) is due to 183.2KW ERDF disposal cost avoidance offset by 115KE Gas Recirculation Building overruns from handling the tanks multiple times. These are offset by a negative cost variance in the 100K Area utility projects (-\$7.3M) due to design changes, additional material/equipment and labor, added subcontractor work scope (i.e., road improvements and debris removal), and unforeseen obstruction/underground utilities; Project Management (-\$2.9M) where D&D facility remediation site housecleaning activities have been charged to the General Site Cleanup account; and the 105KE Reactor Disposition (-\$0.5M) is attributed to cost overruns due to labor mischarges and contract percentage splits against multiple accounts.
 - Project Support & Services (+\$5.0M) – G&A achieved efficient use of assigned resources.
- The RL-0030 CTD positive variance (+\$7.0M) reflects the following subproject performance:
 - The primary contributors to the ARRA RL-0030.R1.2 GW Operations (+\$7.0M) CTD positive variance that exceed the reporting thresholds are:
 - Drilling (+\$2.9M) – Efficiencies and savings obtained in drilling for 100-NR-2, 100-HR-3, and 200-BP-5 wells. Cost efficiencies are being obtained through an aggressive drilling schedule with savings in support personnel, faster drilling methods and the fact that the HR-3 well depths have been less than originally planned. Well decommissionings have also been completed for less than planned.
 - Regulatory Decision & Closure Integration (+\$1.7M) – Completing work scope more efficiently than planned, primarily in the areas of multi-incremental sampling (using existing documentation and direct haul rather than staging); borehole drilling and landfill characterization (competitive subcontracting of drilling support and efficient field support); and document preparation (200-BC-1 data validation and Data Quality Assessment reports).
 - PBS RL-30 UBS, G&A, and DD (+\$1.7M) – The CTD positive cost variance is discussed in Appendix C.
- The RL-0011 CTD positive variance (+\$6.7M) is due to efficiencies recognized on cross-cutting support to the D&D work teams (primarily in solid waste management, project management, NDA, consumables and subcontracts), demolition of ancillary buildings, and the removal of asbestos and non-process equipment from 234-5Z.
 Note: This positive cost variance will diminish as corrective actions and recovery plans are implemented. Additional overtime will be used to mitigate schedule delays and maintain baseline milestones. Overtime will be monitored closely to ensure the CPI does not fall below the threshold of 1.00.
- The RL-0013 CTD positive variance (+\$2.3M) reflects the following subproject performance:
 - RL-0013 MLLW Treatment (+\$1.9M) – Mixed Low Level Waste costs below plan due to efficiencies created by treating waste at Energy Solutions (ES)-Clive rather than planned treatment at Perma-Fix Northwest (PFNW) due to a waiver received from the Department of Energy (DOE), decreased operational costs at CWC, and efficiencies in Solid Waste Base Operations, Mixed Waste Disposal Trenches upgrades, and Liquid Effluent Facilities.

- RL-0013 TRU Waste (+\$0.5M) – Lower ramp up and training costs for TRU Characterization and Shipping, lower G&A allocations, and efficiencies in Project management, T-Plant, and WRAP; partially offset by increased TRU Retrieval support and management costs in support of deteriorated waste containers and increased labor and materials costs in support of the TFRCS, and increased allocations for additional office space and other assessments as a result of increased Recovery Act expenditures.

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 Mat Stab & Disp PFP	126.1	126.6	124.4	0.5	2.3	326.8	348.6	(21.8)
RL-0012 - SNF Stabilization & Disp	175.9	172.5	178.3	(3.4)	(5.8)	580.1	591.2	(11.1)
RL-0013 - Solid Waste Stab & Disp	243.0	241.5	245.7	(1.5)	(4.2)	1,594.2	1,583.0	11.2
RL-0030 - Soil & Water Rem-Grndwtr/Vadose	274.6	267.6	264.2	(6.9)	3.4	1,238.4	1,223.0	15.4
RL-0040 - Nuc Fac D&D - Remainder Hanfrd	50.7	50.8	44.8	0.1	6.0	984.7	971.0	13.7
RL-0041 - Nuc Fac D&D - RC Closure Proj	31.0	36.8	33.7	5.8	3.1	380.0	375.4	4.6
RL-0042 - Nuc Fac D&D - FFTF Proj	10.2	10.2	9.4	0.0	0.8	25.2	24.1	1.0
Subtotal	911.5	906.1	900.7	(5.4)	5.4	5,129.3	5,116.4	12.9

Base

The CTD unfavorable Schedule Variance (-\$5.4M/-0.6%) is within reporting thresholds and reflects:

- Various positive and negative variances contribute to the RL-0030 CTD negative variance (-\$6.9M) and the following exceed reporting thresholds:
 - Regulatory Decision/Closure (-\$3.2M) – With the implementation of BCR-PRC-11-001R0 (Mod 95) some old activities that are no longer part of the new plateau closure strategy were inadvertently left in the baseline and therefore have resulted in a current month negative schedule variance. A BCR is being developed to remove these activities from the baseline and correct this error.
 - 300 FF-5 Operable Unit (-\$0.9M) – Delays are primarily related to the Alternative Emplacement Investigation work which is now expected to finish about four months later than originally planned. Work continues with vendor for recovery actions.
 - 200-UP-1 Operable Unit (+\$1.2M) – S-SX construction activities planned later in FY2011 were performed early.
- The RL-0041 CTD positive variance (+\$5.8M) is due to the following:
 - Waste Sites (+\$7.2M) – In addition to factors including RL's acceptance of CSNA documentation, completion of 100-K-56 Part 2 with much less effort than anticipated, and early completion of CSNA scope, the schedule variance was further increased by implementation of BCR-PRC-10-047R0 as discussed above.
 - 100K Area Project (Facilities and Others) (-\$1.4M) – The negative variance is from Facilities (-\$0.6M) where the 116KW Stack cannot be demolished until after the 105KW basin is empty; a large group of buildings have begun the characterization/ deactivation planning process, but no field work can be performed until after the utilities upgrade occurs mid-December, so no

performance could be taken; and the 105KE Reactor (-\$0.8M) due to delayed start of the final design due to rescheduling the 60% design review from June to November.

- The RL-0011, RL-0012, RL-0040 and RL-0042 CTD variances (-\$2.8M) are within reporting thresholds.
- The RL-0013 CTD negative variance (-\$1.5M) is due to CSB and Liquid Effluent Facilities (LEF) engineering activities delayed due to resource availability (previously assigned to higher priority activities, work has now resumed), WESF roof upgrades were delayed to incorporate enhanced PRC safety practices and work management requirements, and temporary delay in SNF ISC movement due to RL review, Next Generation TRU Retrieval corrected last month's system error that caused an overstatement of performance on installation of power to 3A; partially offset by acceleration of WRAP upgrades scheduled for FY2013.

The CTD favorable Cost Variance (+\$5.4M/+0.6%) is within reporting thresholds and reflects:

- The RL-0040 CTD positive variance (+\$6.0M) is primarily due to the Balance of Site (Facilities and Others) (+\$6.0M): 1) Efficiencies for demolition of the Industrial 7 Project (D4) (+\$0.6M) as a result of utilization of existing site equipment and materials, 2) Surveillance and maintenance costs (D4) (+\$1.0M) less than expected, 3) Completing the sampling of Cell 30 with less resources than planned (+\$0.9M), 4) Program Management utilizing less resources (+\$1.1M), 5) Capital equipment (+\$0.3M), 6) Usage Base Services (+\$0.2M) and 7) Underrun in G&A and direct distributable allocations (+\$1.4M). Waste Sites (+\$0.5M) is due to less extensive regulatory support labor required for the U Zone agreement-in-principle an inadvertent overstatement of performance related to the 600 Central Landfill barrier in March 2010 and the completion of a confirmatory sampling waste site located within BC Controlled Area.
- The primary contributors to the RL-0030 CTD positive variance (+\$3.4M) that exceed reporting thresholds are as follows:
 - 200-ZP-1 Operable Unit (+\$2.4M): 1) Interim Operations reflects significant progress and cost under-runs have been achieved to date for Annual System Calibration, 2) Design of the permanent hookup of well EW-1 was lower than planned as only minor changes were needed to an existing design, 3) Cost for performing general operating and maintenance and minor modification activities have been lower than planned as the system has been running smoothly, 4) Cost for collecting depth-discrete groundwater and soil samples during the installation of new wells was less than planned.
 - 100-NR-2 OU (+\$2.0M) – Performed chemical treatment and maintenance scope, jet grouting pilot test work and RI/FS Work Plan and Interim Proposed Plan Reporting more efficiently than planned.
 - Ramp-up & Transition (-\$2.7M) – Projected cost/accrual for the employee rewards and recognition program exceeded plan.
 - Usage Based Services (-\$1.7M) – Increased cost associated with training due to the additional ARRA work in FY2010 and fleet services costs that occurred in FY2009. Overruns will continue to be funds-managed within the S&GW project.
- The RL-0041 positive variance (+\$3.1M) is due to the following:
 - Waste Sites (+\$4.8M) – The positive cost variance arises from early completion of 100-K-56 Part 2 and CSNA scope and implementation of BCR-PRC-10-047R0 as discussed above.
 - 100K Area Project (Facilities and Others) (-\$1.7M) – The negative variance is from Facilities (-\$0.5M) due to 1706KE/KEL/KER overruns on the above-grade demolition and below-grade asbestos removal; Project Management (-\$0.7M) due to the higher-than-planned number of vehicles (MSC Services) being utilized by the project; and G&A (-\$1.4M) due to year-end

variance distributions. This is partially offset by the positive variance in 105KE Reactor (+\$0.9M) due to subcontractor cost not being incurred due to delay in design activities from July 2010 to November 2010.

- The RL-0013 CTD negative variance (-\$4.2M) is due to increased assessments above plan, TRU Retrieval additional resources to deal with the deteriorated containers, WRAP Facility incurring increased levels of corrective and preventive maintenance activities as a result of repack operations, partially offset by efficiencies in LEF, MLLW (due to treating waste at ES-Clive rather than planned treatment at PFNW), SNF Disposition, TRU Disposition, and lower G&A allocations.
- The RL-0011, RL-0012 and RL-0042 CTD variances (-\$2.7M) are within reporting thresholds.

FUNDING ANALYSIS

FY2011 Funds vs. Spend Forecast (\$M)

PBS	Project	FY 2011		Variance
		Projected Funding	Spending Forecast	
RL-0011	Nuclear Materials Stabilization and Disposition	163.1	138.3	24.8
RL-0013	Waste and Fuels Management Project	162.5	157.0	5.5
RL-0030	Soil, Groundwater and Vadose Zone Remediation	157.6	149.6	8.0
RL-0040	Nuclear Facility D&D, Remainder of Hanford	142.6	131.4	11.2
RL-0041	Nuclear Facility D&D, River Corridor	67.7	48.7	19.0
Total ARRA:		693.6	625.0	68.6
RL-0011	Nuclear Materials Stabilization and Disposition	45.3	46.9	(1.6)
RL-0012	Spent Nuclear Fuel Stabilization and Disposition	83.8	83.0	0.8
RL-0013	Waste and Fuels Management Project	97.8	99.7	(1.9)
RL-0030	Soil, Groundwater and Vadose Zone Remediation	137.2	175.2	(38.0)
RL-0040	Nuclear Facility D&D, Remainder of Hanford	28.5	21.9	6.6
RL-0041	Nuclear Facility D&D, River Corridor	71.4	72.7	(1.3)
RL-0042	Fast Flux Test Facility Closure	2.4	1.5	0.9
Total Base:		466.4	500.9	(34.5)

Funds/Variance Analysis:

Funding reflects FY2010 carryover funds and FY2011 new budget authority. RL-0030 funding reflects the reduced funding targets for FY2011 and the FYSF is based on the current approved baseline. A CHPRC site integrated work scope prioritization plan is being developed to align work scope with new reduced funding levels.

BASELINE CHANGE REQUESTS

In October 2010, CHPRC approved and implemented nine (9) baseline change requests, of which three (3) are administrative in nature and did not change budget, schedule or scope.

The nine change requests are briefly identified in the table below:

Change Request #	Title	Summary of Change
Implemented into the Earned Value Management System for October 2010		
AWA-PRC-11-006R0	Further Work Scope Alignment to Contract Modification 095	This advanced work authorization implements further work scope alignment to contract modification 095 for the first six months of FY2011. No additional funds are required and no management reserve is used. FY2011 funds management is used to ensure funds for Base RL-30 work scope are not exceeded.
BCR-030-10-020R0	Background Calculations, RL Change Order #73	This change to PRC Baseline is directed by RL in Contract Modification 112, Change Order #73. Contract modification 112, Change Order #73, stipulates that CHPRC shall provide updated calculation of soil background concentrations for both radionuclide and non-radionuclide contaminants. There is no impact to Key Parameter and Performance metrics or performance incentives as a result of this change request. No additional funding is required as a result of this change request. The Board directs a 'not-to-exceed limit' of \$130K for this work scope in FY2011 until directed otherwise thru the Work Charge Authorization process. Funds management is to be used in FY2011 to ensure the authorized funding (\$130K) is not exceeded while the priority of this new RL-30 work scope is being determined.
BCR-040-10-005R0	Disposition of B Plant and REDOX Water Towers	There is no change to contract scope as a result of this change request; however, the performance measurement baseline (PMB) scope is adjusted as follows: This change request incorporates new PMB scope into the PRC Baseline as directed by RL in Letter 10-AMCP-0202, "Contract Number DE-AC06-08RL14788 – Disposition of the B-Plant (2902-B) and REDOX (2901-S) Water Tower Tanks", J. C. Connerly, RL, to J. G. Lehew III, CHPRC, dated July 23, 2010. The Base metric for facility demolitions is changed: The number of Base scope facilities demolished in the PMB within project baseline summary (PBS) RL-40 <u>prior</u> to this change is 84 (886,806 ft ²); the new number is 86 (891,737 ft ²). The two facilities added are: 2902B, "Elevated Waste Storage Tank" (2,588.5 ft ²) and 2901S, "Elevated Water Storage Tank-REDOX" (2,342.5 ft ²). Both structures are demolished in FY2011. There is no change to funding as a result of this change request and no management reserve is used.
BCR-PRC-10-059R0	Plutonium Reclamation Facility (PRF) Pencil Tank Re-plan	There is no change to contract scope; however, the performance measurement baseline (PMB) scope is adjusted as follows: The process for removing pencil tank assemblies from the Plutonium Reclamation Facility (PRF) has changed from a remote to a manual process size reduction. The enlargement of Plutonium Reclamation Facility (PRF) 2 nd floor corridor doors 927 and 928, to facilitate movement of waste to the southeast corner of the building, is eliminated due to the decision to leave the gallery glove boxes in place for facility demolition. Also, eliminated P/Q Shift nondestructive assay (NDA) and Project Management Support planned to support PRF remote handling size reduction efforts. Both Base and American Recovery & Re-investment Act (ARRA) scope is affected. There is no change to funds as a result of this change request and no management reserve is used.

Change Request #	Title	Summary of Change
BCR-PRC-11-003R0	Incorporate Revised Labor, Non-Labor and Escalation Rates	There is no change to contract scope as a result of this change request. This change request incorporates updated labor rates, solid waste rates, and escalation rates into the PRC Baseline for the FY2011 execution year. The labor, non-labor and escalation rate update is life cycle covering the contract period from FY2011 through FY2018. The overall change is summarized in this change request by PBS by scope source [American Recovery & Reinvestment Act (ARRA) and Base]. Attachments are provided that breakout the overall change into two component parts: 1a – escalation rate change and 1b – labor/solid waste rate change. Review of the two components of change show the escalation change (+\$78.6M), essentially from 2% to 2.8% in the out-years, when compounded over the life cycle budget, is the primary reason for the overall increased budget. The overall change in labor/non-labor rates (-\$55.3M) is a significant reduction. There is no change to the Key Parameter & Performance metrics as a result of this change request. No additional funding is required.
BCR-R40-10-012R0	Delete Duplicate RTD of Waste Site UPR-200-W-34, RL-40	There is no change to overall scope in the performance measurement baseline as a result of this change request. The removal, treatment and disposal (RTD) of waste site UPR-200-W-34 is planned twice in the current PRC Baseline. This change request corrects this error by removing the duplicate planned RTD of waste site UPR-200-W-34 as described below: Removal, Treatment and Disposal (RTD) actions for one waste site, UPR-200-W-34, is removed from the performance measurement baseline (PMB) by this change request. Since the Waste Information Data System (WIDS) consolidates waste site UPR-200-W-34 as a sub site of waste site 216-S-10D, the RTD action for waste site UPR-200-W-34 is retained in WBS 040.02.29.03.05 to be performed in conjunction with the RTD of waste site 216-S-10D. No additional funding is required and no management reserve is used.
BCRA-000-11-001R0	FOC & Sub-Project Group Changes to Indirect Accounts	This change request adjusts the FOC & Sub-Project Group titles to facilitate implementation of the PRC Indirect Funds Module in COBRA. As such implementation into HPIC needs to occur upon approval and not at month end. These changes will not impact results in historical archives. The WBSs affected are: 000.17.02.02.01, 000.17.02.02.02, 000.18.14.01.02, 000.19.05.01.01, 000.19.05.01.02 and 000.21.02.01.01. Attachment #1 of the change request shows detail changes. There is no change in funding as a result of this change request and no use of management reserve.
BCRA-011-11-001R0	Changes to EVMS Methodology	The Earned Value Management System (EVMS) methodology for nineteen (19) Project Management activities is changed from Apportioned to Level of Effort. One other activity is changed from Level of Effort to Percent Complete. Confirmation of the change is to be made by Baseline Scheduling & Integration prior to October performance. Additionally, one cold and dark milestone is added to support the work effort on the 268-Z (SuperHenc) facility, and one cold and dark milestone is moved from the Base work breakdown structure (WBS) element to the American Recovery & Reinvestment Act (ARRA) WBS element for the 2705-Z, PFP Operations Control Facility. Work has not started on any of the activities that the Earned Value methodology is changed. There is no change in budgeted cost of work scheduled associated with this change request. There is no impact to scope, schedule durations or GFS/Is as a result of this change request. The WBS elements, including the specific activities, affected by this change request are identified in the attached “Before & After” schedule. The PMRS reports confirm there is no change to the

Change Request #	Title	Summary of Change
BCRA-PRC-11-004R0	FOC and Other Administrative Changes, October 2010	<p>BCWS as a result of this change request.</p> <p>This administrative change request incorporates changes to the PRC Baseline as identified below:</p> <ol style="list-style-type: none"> 1. CAM Change – 013.1 – Waste Management – Attachment 1 (see highlighted areas) 2. FOC Change – Move 040.01.31 to FOC 040.1 PRC D&D – Attachment 2 3. Make HPIC changes as documented in the approved HPIC forms. The changes include new WBS elements, changes in Control Account and Work Package managers, and et cetera. The new WBSs comply with the Attachment J-11, Rev 2 Table in Contract Mod 125 – Attachment 3. 4. Milestone Change – 013.04, 013.05, 013.06, 013.15. Add milestones and associated logic ties documenting the completion of established ARRA Key Performance Parameters (KPPs) – (Activity # ZZTRUM30, KPP – RL-13C.R1.1.KPP 1 – 1800 cubic meters of Waste Shipped for Treatment, Activity # ZZTRUM35, KPP – RL-13C.R1.2 KPP 3 – 2500 cubic meters of Suspect TRU Waste Retrieved from Storage, Activity # ZZTRUM40, KPP – RL/13C.R1.2 KPP 3 – 50 cubic meters of Suspect remote handled TRU waste shipped offsite, Activity # ZZTRUM45, KPP – RL-13CR1.2.KPP 2 – 850 cubic meters of WIPP Certifiable TRU Waste Repackaged, and Activity # ZZTRUM50, KPP – RL-13C, R1.2.KPP 4 – 2000 cubic meters of Contract Handled TRU Waste Shipped Offsite) - Attachment 4. 5. Role Additions – 013.06 and 013.15 – Addition of metric roles to establish planned repack volumes for large box commercial repackaging activities and planned shipment volumes – Attachment 5. 6. The following activities need to have the finish on constraints removed in the P6 schedule: Contractor Milestones ZZRT9982, ZZRT9984, and ZZRT9986 are deferred into FY2013 due to logic tie to activities affected by the change in the delivery of the trench face processing system – Attachment 6.

While individual change requests did adjust the contract period PMB budget significantly in October 2010, the overall PMB budget change reduced only \$62.1K. There is no use of management reserve in October 2010. 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 October 2010, is a reduction of \$62.1K and is summarized by fiscal year in the tables below (negative number represents reduction):

October 2010 Summary of Changes to Estimated Contract Price

	FY 2009	FY 2010	FY 2011	FY 2012	FYs 2009-2013	FYs 2014-2018
September 2010 Estimated Contract Price						
PMB	653,426	960,017	1,036,509	693,843	3,954,866	2,451,117
Mgmt Rsrv (MR)	0	0	51,909	30,200	114,409	86,300
Fee	39,712	48,772	49,036	40,377	210,649	93,429
Total	693,138	1,008,790	1,137,454	764,420	4,279,924	2,630,846
Change by Funding Source to Estimated Contract Price in October 2010 (9 BCRs)						
PMB						
ARRA						
All ARRA WBSs	0.0	0	-11,021	0	-11,021	0
Base						
All Base WBSs	0	0	-15,936	-15,259	-37,918	48,876
Change to PMB	0	0	-26,957	-15,259	-48,939	48,876
MR						
ARRA						
All ARRA WBSs	0	0	0	0	0	0
Base						
All Base WBSs	0	0	0	0	0	0
Change to MR	0	0	0	0	0	0
Fee						
ARRA						
All ARRA WBSs	0	0	0	0	0	0
Base						
All Base WBSs	0	0	0	0	0	0
Change to Fee	0	0	0	0	0	0
Total Change	0	0	-26,957	-15,259	-48,939	48,876
October 2010 Estimated Contract Price						
PMB	653,426	960,017	1,009,552	678,583	3,905,928	2,499,994
MR	0	0	51,909	30,200	114,409	86,300
Fee	39,712	48,772	49,036	40,377	210,649	93,429
Total	693,138	1,008,790	1,110,497	749,161	4,230,986	2,679,723

Changes to/Utilization of Management Reserve in October 2010

		FY 2009	FY 2010	FY 2011	FY 2012	FY 2009-2013	FY 2014-2018
Management Reserve (MR) - End of September 2010							
ARRA	RL-0011.R1	0	0	3,700	0	3,700	0
	RL-0013.R1.1	0	0	0	0	0	0
	RL-0013.R1.2	0	0	2,925	0	2,925	0
	RL-0030.R1.1	0	0	0	0	0	0
	RL-0030.R1.2	0	0	4,784	0	4,784	0
	RL-0040.R1.1	0	0	4,800	0	4,800	0
	RL-0040.R1.2	0	0	0	0	0	0
	RL-0041.R1	0	0	10,700	0	10,700	0
ARRA Total	0	0	26,909	0	26,909	0	
Base	RL-0011	0	0	2,500	11,000	23,700	0
	RL-0012	0	0	7,600	3,500	14,600	12,200
	RL-0013	0	0	1,500	4,000	11,500	23,000
	RL-0030	0	0	6,500	4,500	15,400	9,000
	RL-0040	0	0	5,000	3,500	13,000	23,400
	RL-0041	0	0	1,500	3,500	8,500	17,700
	RL-0042	0	0	400	200	800	1,000
Base Total	0	0	25,000	30,200	87,500	86,300	
MR Total	0	0	51,909	30,200	114,409	86,300	
Changes to/Utilization of Management Reserve in October 2010							
ARRA	RL-0011.R1	0	0	0	0	0	0
	RL-0013.R1.1	0	0	0	0	0	0
	RL-0013.R1.2	0	0	0	0	0	0
	RL-0030.R1.1	0	0	0	0	0	0
	RL-0030.R1.2	0	0	0	0	0	0
	RL-0040.R1.1	0	0	0	0	0	0
	RL-0040.R1.2	0	0	0	0	0	0
	RL-0041.R1	0	0	0	0	0	0
ARRA Total	0	0	0	0	0	0	
Base	RL-0011	0	0	0	0	0	0
	RL-0012	0	0	0	0	0	0
	RL-0013	0	0	0	0	0	0
	RL-0030	0	0	0	0	0	0
	RL-0040	0	0	0	0	0	0
	RL-0041	0	0	0	0	0	0
	RL-0042	0	0	0	0	0	0
Base Total	0	0	0	0	0	0	
MR Total	0	0	0	0	0	0	
Management Reserve - End of October 2010							
ARRA	RL-0011.R1	0	0	3,700	0	3,700	0
	RL-0013.R1.1	0	0	0	0	0	0
	RL-0013.R1.2	0	0	2,925	0	2,925	0
	RL-0030.R1.1	0	0	0	0	0	0
	RL-0030.R1.2	0	0	4,784	0	4,784	0
	RL-0040.R1.1	0	0	4,800	0	4,800	0
	RL-0040.R1.2	0	0	0	0	0	0
	RL-0041.R1	0	0	10,700	0	10,700	0
ARRA Total	0	0	26,909	0	26,909	0	
Base	RL-0011	0	0	2,500	11,000	23,700	0
	RL-0012	0	0	7,600	3,500	14,600	12,200
	RL-0013	0	0	1,500	4,000	11,500	23,000
	RL-0030	0	0	6,500	4,500	15,400	9,000
	RL-0040	0	0	5,000	3,500	13,000	23,400
	RL-0041	0	0	1,500	3,500	8,500	17,700
	RL-0042	0	0	400	200	800	1,000
Base Total	0	0	25,000	30,200	87,500	86,300	
MR Total	0	0	51,909	30,200	114,409	86,300	

SELF-PERFORMED WORK

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

Contract-to-Date Actual Awards & Mods								Projection through FY 18	
10/01/08 thru 10/31/2010								Planned Subcontracting*	\$2,524,483,195
Contracts + Purchase Orders + Pcards								Contract-to-Date Awards =	\$1,488,826,516
Reporting Classification	ARRA		Non-ARRA		Total (\$)	Percent of Total	Goal (%)	Balance Remaining to Award =	\$1,035,656,679
	(\$)	%	(\$)	%				Goal Award (\$)	Bal. to Goal (\$)
SB	\$347,203,996	55.79%	\$384,202,392	44.34%	\$731,406,388	49.13%	49.30%	\$1,244,570,215	\$513,163,827
SDB	\$62,784,649	10.09%	\$72,132,507	8.32%	\$134,917,156	9.06%	8.20%	\$207,007,622	\$72,090,466
SWOB	\$75,304,803	12.10%	\$75,096,748	8.67%	\$150,401,552	10.10%	6.50%	\$164,091,408	\$13,689,856
HUB	\$9,746,299	1.57%	\$14,427,396	1.66%	\$24,173,695	1.62%	3.20%	\$80,783,462	\$56,609,768
VOSB	\$54,216,053	8.71%	\$30,095,063	3.47%	\$84,311,115	5.66%	2.00%	\$50,489,664	(\$33,821,452)
SDVO	\$10,015,870	1.61%	\$9,384,929	1.08%	\$19,400,799	1.30%	2.00%	\$50,489,664	\$31,088,865
NAB	\$7,262,457	1.17%	\$6,458,772	0.75%	\$13,721,229	0.92%	0.00%	*10-year subcontracting projection <u>PRC clause H.20 small business (SB) requirement:</u> ≥17% of Total Contract Price performed by SB Total Contract Price: \$4,847,121,172 17% requirement: \$824,010,599 Awarded: \$731,406,388 Balance to Requirement: \$92,604,211	
Large	\$183,115,656	29.43%	\$276,558,372	31.92%	\$459,674,028	30.87%	0.00%		
GOVT	\$58,402	0.01%	\$951,339	0.11%	\$1,009,742	0.07%	0.00%		
GOVT CONT	\$91,856,623	14.76%	\$201,214,650	23.22%	\$293,071,273	19.68%	0.00%		
EDUC	\$2,669	0.00%	\$50,458	0.01%	\$53,127	0.00%	0.00%		
NONPROFIT	\$31,358	0.01%	\$3,446,051	0.40%	\$3,477,409	0.23%	0.00%		
FOREIGN	\$28,080	0.00%	\$93,757	0.01%	\$121,837	0.01%	0.00%		
Total	\$622,296,785		\$866,529,731		\$1,488,826,516				

Notes:

- Performance through October 2010 continues to exceed goals in the Disadvantaged Business, Woman Owned, and Veteran Owned categories; however, we are still significantly under our goal for HUB zone and Service Disabled Veteran business awards. The total value of the contract awards is now so large (\$1.4B) that reaching small business goals would require very large new transactions. Forty-nine percent of awards have been made to small businesses with over 55% of ARRA awards to small businesses.
- ARRA-funded awards have accounted for 42% of all actions placed since contract inception.
- Over 94% of the total dollars arise from service and staffing Contracts and Contract amendments with less than 4% of the dollars arising from P-Card purchases and the balance from purchase orders for materials and equipment.
- This report excludes blanket contract values which are only estimates and not used for payment obligations.
- Data is summarized by business categories (WMBE codes) in accordance with socioeconomic reporting requirements. Small business categories overlap and should not be added together.

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

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