CH2MHILL
Plateau Remediation Company

Monthly Performance Report

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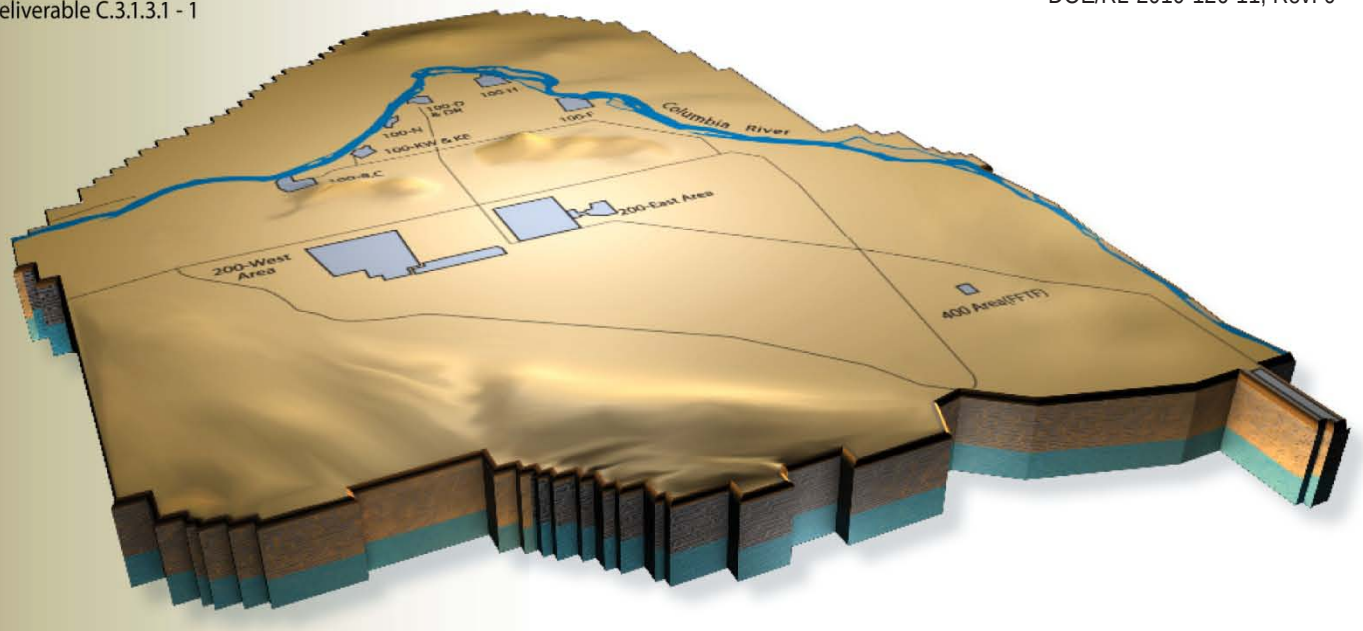
U.S. Department of Energy Contract,
DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

November 2010

DOE/RL-2010-126-11, Rev. 0



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EXECUTIVE SUMMARY

During the month of November, the Soil and Groundwater Remediation Project (S&GRP) surpassed a significant milestone having worked more than 1,200,000 hours over the past 12 months without a lost time event on all S&GRP work within RL-0030, RL-0040 and RL-0041. The project completed American Recovery and Reinvestment Act (ARRA) Key Performance Parameter (KPP) scope for remediation of 24 waste sites. The Kubota vehicle, equipped with state-of-the-art survey technology, continued surveying the BC Control Area and other waste sites, verifying, in near real-time, achievement of cleanup goals in areas excavated. Remediation crews removed soil from the 116-KE, 117-KE, and 116-KE-1 waste sites and removed substructures from the 115-KE and 117-KE buildings. Radiological Building construction continued at the 200 West Groundwater Treatment Facility and construction of structural steel began for the Bio-Process Building. Acceptance testing continued at the DX Groundwater Treatment Facility.

Kubota vehicle with survey equipment to identify and quantify contaminated areas.

Decommissioning and demolition (D&D) completed the ARRA KPP scope for deactivation, decontamination, decommissioning, and demolishing of 18 facilities. D&D also completed demobilization of crews and equipment from the Arid Lands Ecology Reserve work sites and initiated debris site cleanup in three Hanford Reach National Monument Areas on the North Slope.

At the Plutonium Finishing Plant (PFP), CHPRC removed six glove boxes in November bringing the total to 107 removed. Crews successfully completed, without incident, two fresh-air entries into the 232A hydrogen fluoride scrubber cell for the first time in over 20 years. CHPRC also completed the readiness assessment for use of Aspigel® as a second chemical decontamination process for glove boxes. Crews successfully grouted the first two of five drain line trenches below the floor in the 234-5Z building allowing heavier glove boxes to be moved over the trenches as they are removed from the lab and process areas.

Waste and Fuels Management Project (W&FMP) highlights included contract award for disposition of 40 legacy waste packages containing sodium metal contaminated debris. The Waste Retrieval Project Readiness Review Board held their first meeting to review the Trench Face Retrieval and Characterization System (TFRCS) readiness self assessment (RSA) document packages. In addition, the CHPRC construction subcontractor completed paved pads in the 218-W-3A and 218-W-4B low-level burial grounds. Crews placed approximately 2,400 tons of asphalt and approximately 18,000 cubic yards of fill, all within a two-week period, just days before the season's first snow fall.

CHPRC continued significant contract activity in support of Base and ARRA funded acceleration objectives. Since October 2008, nearly half of CHPRC's $1.524B in subcontract activity has been awards to small businesses. Since inception of ARRA in April 2009, over half of $642M in ARRA subcontract awards has been to small businesses.

Focus on Safety

Focus on Winter Safety continued at the November President's Zero Accident Council (PZAC). The MSA Snow Removal Plan was presented with focus on preparations prior to, as well as MSA support after and during, snow and inclement weather. The requirements and implementation of the Cold Weather Program Plan in accordance with DOE O 433.1A was discussed. The checklist for the President's Winter Safety Challenge was shared with the PZAC attendees. This challenge will be held on January 10, 2011 and will be used in the grading of the individual projects on their preparation for winter safety.

A key element of the November PZAC was feedback from the Employee Zero Accident Council (EZAC) and workforce regarding actions to be taken to reduce injuries. Reinforcing common practices, enhanced use of existing programs, motivational safety speakers, and a senior management review of injuries (excluding injuries which were self-treated), was discussed. For the senior management review of injuries, the following graded approach will be implemented:

- Director review of all first aids
- Vice President review of all OSHA Recordable events
- President/COO review of all OSHA DART cases

To help improve accident investigation techniques and in an effort to collect greater detail in information as it relates to human performance improvement (HPI) in the review of injuries, a D&D project HPI checklist was modified and provided to all projects for use. The resultant data will also be used by Occupational Safety & Industrial Health (OS&IH) for trending purposes.

Implementation of OSHA's New Crane and Derrick Standard (revision of 29 CFR 1926 Subpart CC) was supported by computer based briefings (Course No. 600220) initiated for all affected workers (e.g., workers in the area of a working crane, facility management as the controlling entity, Safety and Health personnel, Field Work Supervisors, Supervisors and Managers, signal persons, Assembly/Disassembly Director). During the month of November, approximately 400 CHPRC personnel received this briefing. PRC-MD-SH-40379, Cranes and Derricks in Construction, was published to promulgate the requirements of the new standard.

Development of computer based CHPRC Vehicle Spotter Awareness Training (Course No. 600078) was completed and rolled-out to the projects in late October. This training is designed to provide in-depth information to drivers and fellow employees assigned to "spot" vehicles/mobile equipment in work areas as a furthering effort to prevent accidents involving such equipment.

"Survey Simple," an electronic radiological survey software, was implemented at CHPRC and will improve the quality of radiological survey records and compliance demonstration with 10 CFR 835 record keeping requirements. The implementation is a result of a year-long effort and numerous person-hours in contract development, specification of CHPRC needs and requirements, purchase and set-up of additional computer equipment, training, and procedure changes.

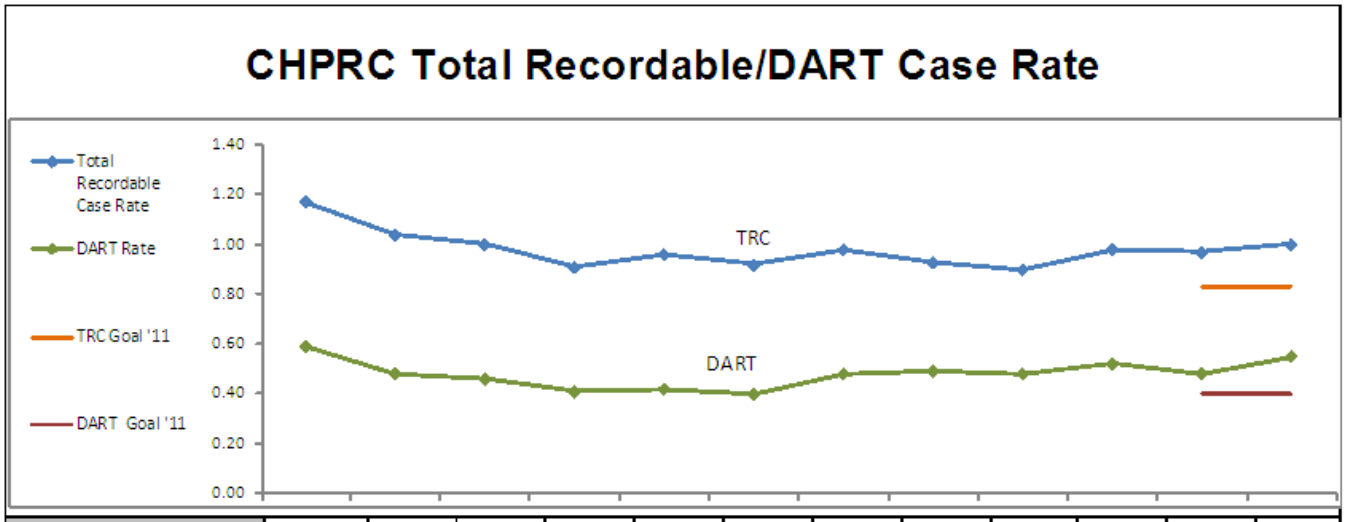
Four Safety Tailgates were developed and disseminated to the CHPRC workforce, including information and lessons learned on a fall causing laceration and facial fractures, Lockout/Tagout and electrical safety issues, elevating work platform safety, DOE Transportation Emergency Preparedness responses, returning to work after the holidays and minimizing distractions, as well as "7 Tools for Success."

In support of continuous improvement and feedback from the DOE complex and general industry, one CHPRC representative attended the National Ergonomics Conference and Exposition, and three attended the ISM&QA Working Group fall meeting.

TARGET ZERO PERFORMANCE

November 2010

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

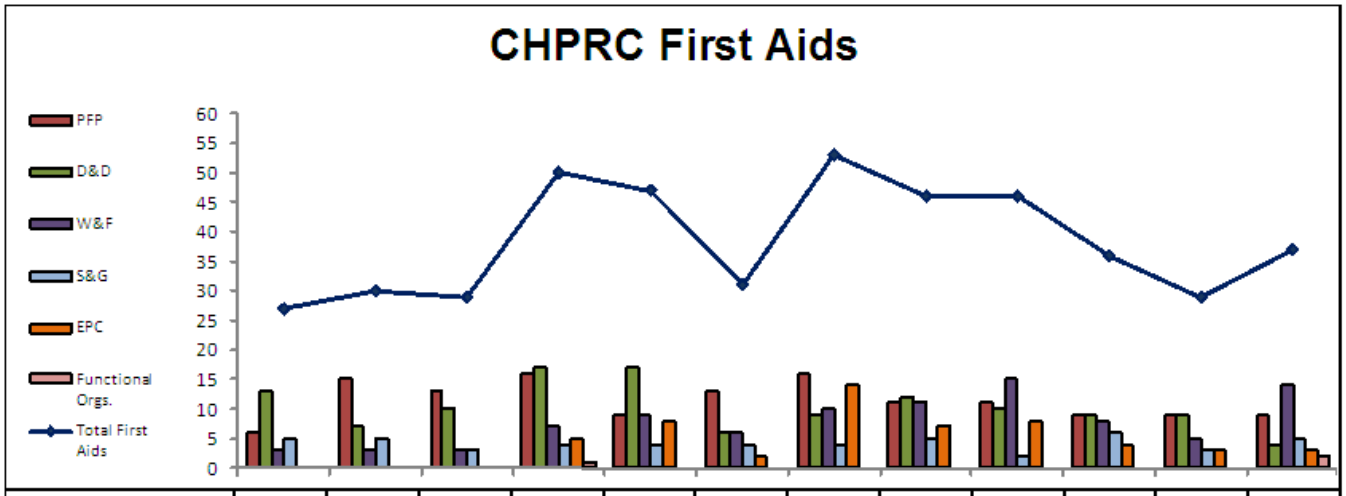


	Dec-09	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10
PFP	0	0	1	2*	1	0	1	0	0	2	2	0
D&D	2*	1	0	1	1	0	1	1	1*	2	3	0
W&F	1	1	0	0	1	0	3	1*	0	3	0	1
S&G	0	0	1	0	0	0	0	0	0	0	0	0
EPC	0	0	0	0	0	1*	0	0	1	0	0	0
Functional Orgs.	0	0	0	0	0	0	1	0	0	0	0	0
Recordable Cases	3*	2	2	3*	3	1*	6	2*	2	7	5	1
DART Cases	2*	1	1	3*	1	1*	4*	1	1*	2	2	1
Total Recordable Case Rate	1.17	1.04	1.00	0.91	0.96	0.92	0.98	0.93	0.90	0.98	0.97	1.00
DART Rate	0.59	0.48	0.46	0.41	0.42	0.40	0.48	0.49	0.48	0.52	0.48	0.55

Total Recordable Injury Case (TRC) Rate – The 12-month rolling average TRC rate of 1.00 is based upon a total of 38 recordable injuries for the period. There was one recordable case in November, three additional cases in October, and one additional case for June. Five 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 0.55 is based upon a total of 21 cases (16 Days Away, 5 Restricted).

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



	Dec-09	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10
PFP	6	15	13	16	9	13	16	11	11	9	9	9
D&D	13	7	10	17	17	6	9	12	10	9	9	4
W&F	3	3	3	7	9	6	10	11	15	8	5	14
S&G	5	5	3	4	4	4	4	5	2	6	3	5
EPC	0	0	0	5	8	2	14	7	8	4	3	3
Functional Orgs.	0	0	0	1	0	0	0	0	0	0	0	2
Total First Aids	**27**	**30**	**29**	**50**	**47**	**31**	**53**	**46**	**46**	**36**	**29**	**37**

First Aid Case Summary – Thirty-seven first aid cases reported in November. The biggest contributors were 20 sprains, strains and/or pains; six abrasions or bruises from contact with objects; and six miscellaneous. Thirty-five percent (13) of the first aids were from Slips/Trips/Falls resulting in injuries to upper and lower extremities (38% due to weather). The CHPRC President and CEO communicated to the company the feedback received from the workforce and EZAC members on reinforcing common safety practices and enhancing the use of existing safety programs. The CHPRC President and CEO directed the implementation of an injury HPI review process. A supplemental event report was developed to delve deeper into causes of injuries to prevent recurrence. In addition, for every injury (except personal conditions and self treats), first aids are to be reviewed by the injured worker and immediate supervisor at the Director level; for OSHA recordable injuries, at the VP level; and for DART cases at the CEO/COO level.

PROGRAM SUMMARIES

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

Progress continues on activities in support of the Hanford Site Corrective Action Plan (CAP) for improving the Site's Chronic Beryllium Disease Prevention Program which was approved by the DOE-EM and the U.S. Department of Energy 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 (CAP). December 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

Formal Briefing material (computer-based; Course No. 600220) on the new OSHA Rule for Cranes and Derricks in Construction (29 CFR 1926 Subpart CC) was developed and disseminated to affected workers. CHPRC is working in a coordinated effort with Mission Support Alliance (MSA) to revise the site Hanford Site Hoisting & Rigging Manual. In the interim, Management Directive PRC-MD-SH-40379, Cranes and Derricks in Construction, was developed, published, and incorporated into the CHPRC management system.

A CH2M Hill Corporate Assistance visit was requested by CHPRC SHS&Q management to review CHPRC recordkeeping activities and offer improvement suggestions. The corporate representatives reviewed all FY 2010 occupational injury and illness cases. CHPRC is reviewing 13 items that the corporate representatives suggested as possible improvements.

Environmental Program and Strategic Planning (EPSP)

Environmental Management System provided data and information on sustainable purchasing to MSA for the annual Pollution Prevention Report to DOE – HQ. CHPRC was identified as “best-in-class” performance in providing data for this annual report.

EPSP continued automating CHPRC’s data entry to allow for more efficient information collection and summarization for the FY 2011 Pollution Prevention Report.

Compliance Inspections and Review accomplishments:

The State of Washington, Department of Health (WDOH) conducted a survey of the 100K Drinking Water System on November 18, 2010, with no issues identified during the visit.

An inspection of four minor emission units was conducted by WDOH during a site-wide inspection on November 4, 2010, with no issues or findings noted. The four emission units inspected were:

- PUREX Tunnel Exhauster
- PUREX Tank Vent
- Retention Basin Steam Condensate (located west of U-Plant)
- Ditch Control Structure (SW of PUREX)

A CH2M HILL audit team reviewed reporting related to the CHPRC Polychlorinated Biphenyl (PCB) management program and found five record keeping and reporting items relating to the Solid Waste Information and Tracking System’s (SWITS) database and the report input provided to MSA. The results are under review for determination of appropriate follow up actions.

CH2M HILL conducted a performance enhancement review of the Environmental Protection (EP) Program and found potential improvement areas such as communication, field presence and work planning. A workshop to review the results and develop appropriate resolution will be held in mid-January.

Strategic Planning Support

Strategic Planning Support developed an integrated company-wide work scope prioritization for presentation to the RL Hanford Site Manager and RL Senior Staff.

Environmental Quality Assurance

Environmental Quality Assurance completed surveillance, QA-EQA-SURV-11-03 *Environmental Cost Estimating*, resulting in two Findings associated with forms and procedures and two Opportunities for Improvement.

Business Services and Project Controls

In November, CHPRC approved and implemented nine baseline change requests, of which three were administrative in nature and did not change budget, schedule or scope.
The overall PMB budget change resulting from change management activities reduced by $5.9M and there was no use of management reserve in November. See the Format 3 Report in Appendix A and A-1 for a listing of the specific change requests and the impact on the PMB budget by fiscal year.

During November, Prime Contracts received and processed two contract modifications (#128 & #129) from RL. The Correspondence Review Team reviewed and determined distribution for 38 incoming letters and the Prime Contract Manager reviewed 49 outgoing correspondence packages.
The procurements have been awarded for two additional five-wide mobile offices and two mobile restroom facilities required to support the remaining space requirements for the Soil and Groundwater Remediation Project (S&GRP). Deliveries are scheduled between January 17 and February 1, 2011. The site preparation contract for installation of these units is scheduled to be awarded on December 17, 2010.

Turnover of the first shop facility in the Unsecured Core Area of 200E (S&GRP Building 2-2268E) is scheduled for December 15, 2010.

The procurement group awarded 129 new contracts with a total value of $16.7M, amended 363 existing contracts with a total value of $14.8M, and awarded 290 new purchase orders valued at $2.2M to support Base/ARRA acceleration objectives.

As measured at the end of the first 26 months, CHPRC's procurement volume has been significant; $1.52B in contract activity has been recorded with approximately 49% or $748M in awards to small businesses. ARRA funded activity totals 42% or $642M of the grand total. This includes 4,506 contract releases, 7,333 purchase orders, and over 130,494 P-Card transactions.

During this reporting period, procurement management met with CHPRC Legal Counsel to review Contract General and Special Conditions. As a result of this 3-day review, revisions to several of the provisions will be issued and communicated through staff meetings or in writing via e-mail notice.

Material services created a missing warehouse receipt report that will list P-Card transactions that do not have a corresponding warehouse receipt.

Business Services worked with CHPRC QA and Mission Support Alliance (MSA) to incorporate a change in MSC-PRO-27688, Control of Materials Stored in the Field. The change requires segregating or marking material to prevent commingling procured materials that require additional controls beyond commercial practices.

CHPRC updated the Business Process Guide, Material Coordinator Responsibilities, to reflect actual work practices.

CHPRC trained FFS Procurement Coordinator on creating Cat ID's in PassPort. This supports an effort by CHPRC Procurement to reach their small business goals for this year.

Due to evolving Project needs for high radiation samples to be sent to Advanced Technologies and Laboratories (ATL) for analysis, Interface Management negotiated and finalized a revision to the

previously agreed to FY 2011 ATL/CHPRC Service Level Agreement (SLA) for forecasted CHPRC sample needs.

The update to HNF-46148, *Interface Control Document between CHPRC and the MSA for Water Systems Services,* incorporating the interface between the new 100K Area water system constructed by CHPRC in support of its 100K Area D&D activities and the MSA managed Hanford Raw Water System was formally released.

Working with the CHPRC W&FM Project, Interface Management reached agreement with Washington River Protection Solutions (WRPS) on an update to HNF-3395, *Interface Control Document between 242-A Evaporator Facility and the LERF*. The document is currently routing for formal concurrence.

Working with CHPRC Safeguards and Security (S&S) and MSA, Interface Management completed an update to HNF-48239, Administrative Interface Agreement between CHPRC and MSA, *Roles and Responsibilities for the Safeguards and Security Program.*

CHPRC SHS&Q and Interface Management continued to work with MSA to determine how to best address DOE RL's request that MSA evaluate the potential consolidation of Hanford Prime Contractor Emergency Preparedness (EP) organizations under MSA.

FY 2011 MSA changes in rate structures for Analytical Services, Crane and Rigging Services, Facility Services, Motor Carrier Services, and Roads and Grounds Services have caused CHPRC concern that costs associated with these service areas identified as base operations costs by the DOE J-3, *Hanford Site Services and Interface Requirements Matrix,* may be inappropriately being passed to Other Hanford Contractors. Interface Management developed a summary of CHPRC's concerns and forwarded it to MSA with a request for a response.

Interface Management successfully resolved an issue with MSA associated with past charging practices for Powered Air Purifying Respirator (PAPR) maintenance by the Hanford Fire Department. The Prime Contracts for this service stipulates this as a base service funded by MSA and that costs for this service should not be passed on to the Other Hanford Contractors.

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.

Interface Management continued to support CHPRC's ongoing effort to improve CHPRC's performance on the execution of medical exams for CHPRC workers by presenting the Medical Exams section of the CHPRC Buyers Technical Representative (BTR) training class held on November 4, 2010. This portion of the class, which addresses the requirements and processes for preparing Employee Job Task Analysis (EJTA), scheduling Advanced Med Hanford (AMH) exams, and constraints associated with scheduling and receiving the results from AMH exams, is intended to provide CHPRC BTRs the knowledge required for them to manage their subcontractors so they effectively execute medical exams and reduce "no shows" for CHPRC subcontractor workers.

Engineering, Projects and Construction (EPC)

Central Engineering (CE) chaired and participated in the two day KE Reactor Core Removal Project (KE RCRP) Design Review meeting. A design review report is scheduled for publication in mid-January.

CE reviewed and responded to submittal by SA Technology for the KE RCRP Work Area Floor Evaluation – C Elevator Removal.

Engineering met with Worley-Parsons, designer of the 105-KE RCRP ventilation system, in Dallas Texas to assist in preparation for the preliminary design review.

CHPRC issued the first set of System Health Reports in November. Delivery of the System Health Reports completes implementation of PRC-STD-EN-40330, *System Health Reports*. The reports provide a concise summary of the past quarters performance for each of the identified active safety systems.

CHPRC completed an evaluation of the corrective actions Flanders Filter Corporation has taken to reduce the HEPA filter rejects at the Filter Test Facility. The evaluation was documented in an e-mail to RL (M.R. Hahn).

CE has been tasked to provide welding and materials consultation for failed welds associated with Washington Closure Hanford (WCH) Environmental Restoration Disposal Facility (ERDF) shuttle trucks. The scope of the task includes weld failure characterization and cause identification, along with a detailed repair plan which may include design modifications for improved performance. CE, in conjunction with Engineering, Projects, and Construction (EPC) Preventive Maintenance/Corrective Maintenance PM/CM Program Support personnel, finalized and approved an EPC Engineering Blanket Master Agreement (BMA). The BMA is ready to post for solicitation.

CE completed and issued Revision 1 of the arc flash calculation for Sludge Treatment Project (STP) at Maintenance and Storage Facility (MASF). The calculation was revised, based on as found protective device settings.

CE continued evaluation of potential non-nationally recognized testing lab equipment. 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. For example CE support to close out NCR-10-MSA/AVS-0224: a non-compliance report was written for storage units that had been delivered with a Nationally Recognized Testing Lab (NRTL) requirement on the Quality Assurance Inspection Procedure (QAIP) and the Acquisition Verification Services (AVS) inspector was unable to determine if all components had NRTL labels. The outcome was to accept the units as is on the basis that it was assembled equipment that had passed a previous National Electric Code (NEC) inspection.

CHPRC 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.

Communications and Outreach

CHPRC Public Affairs submitted the 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 current issues. Copies of the newsletter are available on CHPRC's external web site and feature a wide range of project progress topics.

This month's weekly videos for the weekly Recovery Act report covered cleanup across the Hanford Site, from the start of cleanup on the North Slope to the construction of the Bio-Process Building at the 200 West Pump-and-Treat Facility. November's edition of *On the Plateau* showcased the completion of demolition on the K West Sedimentation Basin, previewed the more user friendly intranet site set to launch in December, and rolled out the winter safety campaign.

CHPRC's stakeholder relations group drafted the *105KE Demolition Engineering Evaluation/Cost Analysis* (EE/CA) comment responsiveness summary, completed the Railcars Action Memorandum

comment responsiveness summary, and issued the 200 East Area Demolition EE/CA for public comment, drafted a fact sheet for the Re-issue of the Non Radioactive Dangerous Waste Landfill (NRDWL)/Solid Waste Landfill (SWL) Interim Action Environmental Assessment (EA). Additionally, stakeholder relations conducted a readability review of the draft NRDWL/SWL Interim Action EA and provided suggestions for improvement, drafted and submitted to RL a proposed public involvement plan for the Deep Vadose Zone Operable Unit, developed a proposed strategy for Increasing the Public's Understanding of the Effectiveness of Barriers, and held training sessions on public comment management system (CommentWorks®).

CHPRC provided press materials for reporting the planned demolition of 57 additional buildings in the 200 East Area, the absence of security barriers at PFP as it gets prepared for demolition, and prepared a response to the Inspector General's report on glovebox removal. These accomplishments were featured on RL's web site and social networking sites as well as in the *Tri-City Herald, The Associated Press*, and the *Weapons Complex Monitor*.

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.

CHPRC continued 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 82 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 2,386 cubic meters of waste from PFP with support from Recovery Act funds, including 2,135 cubic meters of low level and mixed low level waste (LLW/MLLW), 229 cubic meters of TRU waste, and 22 cubic meters of non-radioactive waste.

Nondestructive assay measurement of process support equipment is on schedule. To date, 380 feet of process vacuum piping has been removed, size-reduced, and packaged into waste containers waiting disposition. In addition, 268 feet of transfer lines have been removed, size-reduced and packaged into waste containers waiting disposition.

With five of nine gloveboxes removed and all process equipment removed from the others, the former PFP Special Nuclear Material 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-230C-5 was separated from a

nearby conveyor glovebox and preparations were completed for removal from the process area. In the former Radioactive Acid Digestion Test Unit area, process equipment removal continued on glovebox 200 and a final characterization report confirmed that glovebox 100A can be disposed of as LLW. In addition, the Remote Mechanical C (RMC) Line crew continued installation of plastic sleeving and made other preparations to separate large glovebox HC-230C-3 into two sections so it can be removed from the area. Recovery actions from a contamination event in Room 139 of the Analytical Laboratory progressed sufficiently that gloveboxes 139-1, 2, and 6 could be removed from the room and staged for size reduction. Also in the Analytical Laboratory, the doorway of room 144 was widened, to allow for removal of glovebox 144-9 and transferred to PFP waste operations for disposal as low level waste. Installation of temporary power and lighting in the 242Z Control Room was completed and work continued to electrically isolate the facility. In addition, entries were made into 242Z to obtain characterization samples from gloveboxes WT-3, 4, and 5.

Base

236Z Plutonium Reclamation Facility – Cleaning of the canyon floor was initiated. Cleaning of seven of the fifteen pans is complete. Size reduction and disposal of the two canyon floor slurp heads was completed, after which size reduction of the pencil tank assemblies will be initiated.

RL-0012 Spent Nuclear Fuel Stabilization and Disposition

Sludge Retrieval Testing (STP) and 100K Operations personnel completed the sampling and shipments of the Settler Tank sludge material to Pacific Northwest National Laboratory (PNNL) for characterization and analysis. The campaign included 10 shipments of 17 sample bottles, and transferred 2700 milliliters of material. The dose rates averaged 3R/hr with a high of 13R/hr. This campaign was the first CHPRC shipment that used the Fuel-Special Packaging Authorization (F-SPA) as the transportation authorization basis.

Following completion of the Settler Tank sampling, project personnel and construction forces completed the installation of the sampling system on Engineered Container (EC)- 210 (final container with K West floor and pit sludge). Sampling operations were initiated and the first shipment of EC-210 sludge samples was transferred to PNNL.

The CHPRC Project Review Board (PRB) conducted a critical review of the Knockout Pot (KOP) Disposition Subproject to assess its readiness to proceed to the Final Design Phase. The PRB granted approval to the subproject to proceed with KOP Processing System final design. In addition, KOP project and 100K Operations personnel made a presentation to the Joint Evaluation Team (JET) to recommend the level of readiness review that should be conducted prior to initiating pretreatment operations. The JET concurred with the score sheet prepared by 100K Operations Management and authorized applying a Readiness Assessment Level 3 Review. In addition, AREVA Federal Services finalized the Multi-Canister Overpack (MCO) shielding analysis for KOP material and the MCO thermal and gas analysis for KOP material evaluations. Both evaluations concluded that the transport of the KOP material in the MCO will be well within the on-site transportation restrictions. These evaluations were developed to support the F-SPA checklist for the MCO/KOP transport. Finally, the first draft of the "KOP/MCO" F-SPA Checklist was completed and routed for internal review. This checklist, when approved by RL, will authorize packaging and transportation of the KOP material in the MCO cask. Utilization of the F-SPA authorization approach eliminates the need to revise the MCO Safety Analysis Report for Packaging.

The Engineered Container Retrieval Transportation System subproject continued testing the XAGO retrieval tool using settler tank sludge simulant. Sixteen retrieval runs were successfully made with concentration levels being steady. This test (which loaded the Sludge Transfer Storage Cask [STSC]

with Settler Tank sludge) allowed the initiation of the overfill recovery test. After an initial problem (pinhole leak in the pump diaphragm) was resolved, the overfill recovery test was successful on this simulant. The K West simulant that was not able to be tested last month, will be reloaded in the STSC and the overfill tool tested on that simulant. In addition to these two tests, the integrated decant test was performed, which successfully filtered simulated unsettled solids from the STSC. Decant testing will continue with each simulant retrieved and loaded into the STSC.

The Phase 2 Technology Evaluation subcontracts have mostly completed the testing phase with the exception of AREVA (with PNNL conducting the test). Ceradyne is in the process of submitting the final reports on the immobilization with Borobond and the size-reduction/grinding test; Energy Solutions submitting final test results using pH Carbonate/Peroxide oxidation; and Impact Services submitting the test report on the full scale Mixer/Dryer test. KURION (Inductively Heated In-Container Vitrification) continues to work (at their own expense) on testing to demonstrate their technology application to Hanford Low Activity Waste Treatment, and will update the final test report for this project. AREVA/PNNL will continue testing the warm water oxidation process for the next few weeks and then will submit the final test report.

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

The W&FMP 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 6 m^3 and completed 14 m^3 during the month; M-91-43 – shipped 25 m^3 and completed 16 m^3; and M-91-44 – shipped 124 m^3 and completed 43 m^3 during the month. Transuranic (TRU) Retrieval removed, constructed shoring box, and shipped 3A Trench 17 Box 12 (59.5 m^3); removed last remote-handled (RH) culvert (6.17 m^3) from 3A Trench 8; and removed and overpacked 5 contact-handled (CH) boxes (24.17 m^3 total) from 3A Trench 8. Next Generation Retrieval (NGR) completed the punch list items for the 12B Construction (e.g., fixing the leaking roof on the Drum Warming Unit, patching the asphalt, and installing shielding walls around the Gamma Assay System. TRU Repackaging repacked 87 m^3 of TRU waste into CCP-certifiable containers and vented 40 drums. TRU Disposition continued TRU Waste Shipments to the Waste Isolation Pilot Plant (WIPP) –zero shipments due to WIPP priorities; completed electrical tie in and vault walls for the High Energy Real-Time Radiography (HERTR).

Base

The W&FMP 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 (ISA) completed annual sampling of Multi-Canister Overpack (MCO) H-010. T-Plant shipped 163 containers from T Plant and received 29 containers to T-Plant. Central Waste Complex (CWC) shipped nine on-site transfers (499 containers); received 14 on-site transfers (384 containers); shipped ten off-site shipments (84 containers); and received six offsite shipments, 11 containers. Low-level burial grounds (LLBG) Mixed Waste Trench (MWT) – Shipped one leachate tanker to Effluent Treatment Facility (ETF). Liquid Effluent Facilities (LEF) received 27 tankers (25K gallons). Slightly Irradiated Fuel (SIF) completed pours for all remaining concrete column encasements, and placement and welding of all remaining components (grating, closure beams, and spikes) for the Container Restraint System.

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 November is summarized in the table below.

Activity	November		Cumulative	
	Planned	Completed	Planned	Completed
Well Drilling (# of wells) -352	9	4	298	283
Well Decommissioning (# of wells) -350	14	0	199	176
100 DX P&T – Construction/Startup (%)	2	1	99	99
200 West P&T – Final Design (%)	-	-	100	100
200 West P&T – Construction (%)	8	6	43	36
200 West P&T – Testing/Startup (%)	6	5	24	24

Base

Base work includes the pump-and-treat operations, Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) remedial processes, and documentation for the River Corridor and Central Plateau. The second of three rounds of aquifer tube sampling was completed at the 100-HR-3 Operable Unit. Sampling and groundwater treatment completed in November includes the following:

- 84 well locations were sampled with a total of 443 samples being collected
- 41 aquifer tube samples collected from 11 tubes at 5 locations
- 17.88M gallons groundwater treated by ZP-1 treatment facility
- 20.55M gallons groundwater treated by KX treatment facility
- 8.59M gallons groundwater treated by KW treatment facility
- KR-4 treatment facility shutdown in November for facility upgrades
- 7.2M gallons groundwater treated by HR-3 treatment facility
- 1.0M gallons groundwater treated by DR-5 treatment facility
- 55.22M gallons of groundwater treated total

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

ARRA

- 224U and 224UA structures demolition is complete; final survey, equipment decontamination, and stabilization continue.
- Upper Arid Lands Ecology (ALE) demolition activities were completed. Lower ALE continued demobilization activities. Efforts have begun at U Canyon on grout supporting activities. Core drilling has commenced and material staging area preparation has started for grout and for staging of the 100K sedimentation material.
- The cask ordered for the D-10 tank disposition at U Canyon is scheduled to arrive the week of December 13, 2010.
- The 209E facility completed readiness activities and continued with characterization including visual inspection of tanks. Continued with housekeeping in preparation for tank removal and inventory

reduction activities. Began tank removal activities starting with TK-109 and the isolation of HO-100 to support removal of the tanks within the hood.

- Demolition of the 284E coal conveyor and crusher house is complete. Asbestos abatement in 284E Powerhouse continues. Cold and dark and characterization activities continued in 200 West and East structures. The explosive demolition planning is ongoing. Completed demolition of the 2722W weld shop and 2716E Power Maintenance Storage Building. Started demolition activities on 284WB Power Boiler Plant.
- Cleanup of North Slope debris pile sites continues.
- Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) documentation for railcars progressing as planned; visual inspection of the rail cars was initiated.
- 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 21,000 tons of soil in November; approximately 97 acres of BC Control Area, Zone A, have been cleared to date. The closure documentation is being prepared for CW-3 waste sites 216-N-4 and 216-N-6. Excavation commenced on MG-1 waste site 200-W-147-PL with 3,052 tons of soil transferred to ERDF in November.
- Two additional Confirmatory Sampling/No Further Action (CSNFA) waste sites in MG-1 have been identified with contaminants in excess of the acceptance criteria - Old Central Shop Area (OCSA) and 600-220.
- Sampling/surveys have been completed on 17 MG-1 sites.

Base

- Planned surveillance and maintenance (S&M) activities continue. Initial beryllium characterization sampling is in progress at REDOX, 231Z, and 222T.
- CW-3 remediation has been performed to remove pipeline 600-286-PL and 600-287-PL. Approximately 3,267 tons of soil was removed from CW-3 pipeline sites during November.
- MG-1 sampling of waste site 600-222 revealed additional contamination; these areas were further excavated and will be re-sampled. Excavated and transferred 129 tons of soil to ERDF in November. Staged clean fill dirt at waste site 600-38, pending completion and approval of regulatory documents.

RL-0041 Nuclear Facility D&D, River Corridor

ARRA

Facilities

- D&D completed the Preliminary Design Review Meeting for the 105KE Reactor Core Removal Project.
- Work is continuing on 105KE Reactor Disposition Interim Safe Storage activities.
- Began demolition for below-grade portions of the 115KE Gas Recirculation Building and 117KE Exhaust Air Filter Building.
- Began characterization of the 181KE River Pump House/1605KE Guard House.
- Continued characterization of the 183.1KE Head House.
- Planned for disposal of stock-piled debris from the 183.2KW Sedimentation Basin.
- Planned for deactivation on the 183.4KE Clear Well, 183.4KW Clear Well, and 190KW Main Pump House.

- Began asbestos removal on the 190KE Main Pump House.

Waste Sites

- Work was initiated on the 116-KE-1 Condensate Crib with the establishment of access and removal of overburden.
- Work continued on cleanup around the 100-K-42 Fuel Storage Basin and associated discharge chute removal.
- Continued waste site remediation of the below listed remove, treat, dispose (RTD) sites:

Active Excavation on ARRA Waste Sites or Subgrade Structure	Nov 2010 Tons	Loads
100-K-42	2,320	141
115-KE	680	31
117-KE	488	23
Monthly Total	**3,488**	**195**
Previous Cumulative (all sites under ARRA)	64,518	3,724
ARRA Cumulative (FY-09 to Date)	**68,006**	**3,919**

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 activities are completed 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 has been completed overall in the K West Basin. Over 679 debris units have been removed or dispositioned 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 of 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 on MSA-Electrical Utilities punch list activities necessary to complete transitioning from the 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 late-January.

Water Project: Operational Testing of the Microfiltration Unit has been delayed due to design changes for the building's fire sprinkler systems, fire detection system, and interior fire wall construction, all of which are required to obtain the Water Treatment Building occupancy permit. These designs are being reworked and operational testing is planned for mid-December.

Base

Facilities

- 105KE Reactor Disposition Engineering Evaluation/Cost Analysis (EE/CA), Draft A, is released for public comment. The 60% design review was conducted in November for the 105KE Reactor Core Removal Project as requested by RL.
- D&D continued deactivation of the 110KW Gas Storage Facility, 115KW Gas Recirculation Building, and 117KW Exhaust Air Filter Building.
- Demolished the 118KW Horizontal Control Rod Storage Cave.
- Planned for below-grade demolition of the 1706KE Radiation Control Counting Laboratory and 1706KER Water Studies Recirculation Building.
- 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.
- D& D crews demolished four K West mobile offices (MO236, MO237, MO323, and MO955).

Waste Sites

- Waste site 100-K-102 is in its third round of remediation as the staining and associated contamination plume is uncovered.
- 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.

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

Active Excavation on Base Waste Sites	Nov 2010 Tons	Loads
100-K-102	8,062	422
120-KW-1	4,894	253
100K-63	4,621	210
Monthly Total	**17,577**	**885**
Previous Cumulative (all sites under ARRA)	166,362	8,583
ARRA Cumulative (FY09 to Date)	**183,939**	**9,468**

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

An Evaluation of the Safety of the Situation (ESS) to allow 242Z D&D activities to commence has been drafted and round-table reviewed with RL Safety and Engineering Division. Once ventilation pressure measurement uncertainty issues are resolved, the ESS will be formally submitted.

11.05 Disposition PFP Facility – Base

Plutonium Reclamation Facility (PRF)

- Cleaning of the canyon floor was initiated. Seven of the fifteen pans have been completed.
- Mechanical isolation and decontamination of the maintenance glovebox was completed
- The Criticality Safety Evaluation Report and Criticality Prevention Specification required for the size reduction of the maintenance, canning and charging gloveboxes were issued.
- The work package for size reduction of the maintenance glovebox was approved and is scheduled for Hazard Review Board review.
- Electrical isolation of the canning and charging gloveboxes was completed. In addition, Mechanical isolation of the canning and charging gloveboxes was initiated and is approximately 65% complete.
- RLs concurrence was received on leaving the gallery gloveboxes in place for demolition with the facility

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

- In Remote Mechanical A (RMA) Line Room 235B, the team continued the isolation of the ventilation for HA-28 conveyor to prepare for the removal of this conveyor. In addition, this team supported the successful completion of the readiness assessment for the use of the Aspigel® chemical decontamination method at PFP.
- In RMA Line Room 232, the characterization entries into the HA-46 process cell were completed
- In RMC Line Room 230C, gloveboxes HC-230C-4 and HC-230C-5 were removed and glovebox HC-230C-3 was taken off ventilation and relocated within the room. HC-230C-3 is being separated into two sections to facilitate the removal of this large glovebox from Room 230C.
- In the RADTU area, Room 235D, the D&D team continued with the GB200 internal process equipment removal and started preparations in Room 235E to remove GB100A

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 transuranic (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

Disposition PFP (234-5Z) Facility

- Phase I Process Vacuum Piping Removal was completed
- A total of 268 feet of Chemical Piping Transfer Line has been removed
- Removed 619 feet of asbestos-containing materials on piping

242Z Americium Recovery Facility

- Decontamination was completed on the 242Z airlock to a level that does not require respirators
- The electrical isolation of the 242Z building is 60% complete. Work packages for removing WT-2, and WT-3, 4, & 5 have been developed and work is scheduled to begin in late December.

2736Z/ZB Vault Complex

- Removed GB642D and GB642E from 2736ZB
- Removed 90 % of the support equipment in Rooms 641 and 642
- Electrically Isolated the Liquid Nitrogen Generator

RL-0012 Spent Nuclear Fuel Stabilization and Disposition

Sludge Treatment Project (STP)

- The MCO Basket Insert drawing package and procurement specification were issued and the Statement of Work for the inserts was approved
- The SOW for the Basket Inserts was issued, with submittal deadline for proposals on December 10, 2010
- MASF personnel fabricated the mockup of the East Secondary Process Table for KOP Pretreatment testing
- The KOP “staging bullpen” installation at MASF was completed, and the remaining superstructure to simulate the K West Basin work area, including a Gantry Crane, was ordered. Installation of the mockup is scheduled to complete in December to support KOP pretreatment testing and operator training beginning in January 2011.
- HiLine completed fabrication and delivery of an MCO basket inspection (go/no-go) gauge, to support conduct of an MCO materials assessment at the central warehouse facility. The gauge will provide critical feedback on the acceptability of the scrap basket sextant configuration that is relied upon in the KOP Thermal Analysis

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 "middleware" 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

- Awarded a contract for disposition of 40 legacy waste packages containing sodium metal contaminated debris
- Shipped the MLLW that originated from "Box 82" retrieval (2 boxes and 1 drum) to Perma-Fix Northwest
- Completed disposition of the first of 3 high tritium M/LLW drums. The second drum was shipped, but treatment not yet completed
- Shipped SC019
  - A large legacy MLLW package draped in lead shielding blankets was shipped to PFNW using the Super-7A Overpack
- Completed void fill of 52 High Temperature Gas Reactor (HTGR) drums at the Central Waste Complex (CWC)
  - HTGR drums will be disposed utilizing in-trench treatment at the Mixed Waste Disposal Unit

13.04 TRU Retrieval

- Reinforced, removed, constructed shoring box, and shipped 3A Trench 17 Box 12 (59.5 m^3)
- Excavated 3A Trench 17 Box 16 and the north side of several remaining boxes, and constructed forklift access ramp to west end of trench
- Excavated and removed last remote-handled (RH) culvert (6.17 m^3) from 3A Trench 8
- Excavated, removed, and overpacked five contact-handled (CH) boxes (24.17 m^3 total) from 3A Trench 8
- Continued excavation of three remaining boxes in 3A Trench 8
- Assayed two containers removed from 3A Trench 8
- Next Generation Retrieval (NGR)
  - Completed the Operability Tests for the Drum Venting System 3 (RapidPort), the Real-Time Radiography (RTR) System, and the Drum Warming Unit
  - Completed the punch list items for the 12B Construction (e.g., fixing the leaking roof on the Drum Warming Unit, patching the asphalt, and installing shielding walls around the Gamma Assay System
  - The Waste and Fuels Management Program (W&FMP) Readiness Review Board held their first meeting to review the Trench Face Retrieval and Characterization System (TFRCS) readiness self assessment (RSA) document packages
  - Deferred completion of the Trench Face Processing System; deferral considered financial issues, project risk, and delivery dates

13.05 Transuranic (TRU) Repackaging

- Repackaged 44 m^3 of TRU waste into CCP certifiable containers
- Repackaged 43 m^3 of large container transuranic (TRU) at PFNW

- Repack operations temporarily suspended to address Be and drum venting
- 216-Z-9 Soils Repack Campaign
  - These Z-9 containers fall into the configuration of an unvented 90 mil liner, and therefore must be vented as part of the Justification for Continued Operation (JCO)
- RH/Large Package Repackaging
  - Completed size-reduction and repackaging of 152 m^3 to date
  - Initiated nondestructive assay (NDA) of the repacked drums and boxes at PFNW
    - 11.9 m^3 confirmed TRU/M to date
    - 53.6 m^3 confirmed M/LLW to date
- All demonstration project volumes have been shipped

13.06 Waste Receiving and Processing Facility (WRAP)

- NDE: 533 drums (410 for CCP)
- NDA: 844 drums (400 for CCP)
- Received 61 TRU drums and seven Standard Waste Boxes (SWB) from Plutonium Finishing Plant (PFP)
- Staffed swing shift in preparation for TRUPACT II resumption
- Completed all WRAP high-efficiency particulate air (HEPA) filter change-outs with Beryllium (Be) controls and no safety issues
- Increased NDE-B drum vault speed per CCP request
- Completed Electrical upgrade to MO-444 (2^{nd} Flammable Gas Analysis Unit)
- Completed electrical tie in, vault cement walls and sand fill shielding for High Energy Real-Time Radiography (HERTR)
- Repack
  - Completed and approved Process Area Beryllium Hazards Assessment Plan (HAP) and Beryllium Work Permit (BWP)
  - Completed Process Area Prevent Maintenance (PMs) for the 202B, 203B and 203B Lift Tables on the TRU Glove Box

13.15 TRU Disposition

- TRU Waste Shipment to Idaho: Current Month total – zero, total to date – 38
- Shipments to WIPP: Current Month total – seven, total to date – 60
- Executing Real Time Radiography (RTR) CCP Characterization Recovery Plan
- Submitted Change order request to RL for Remote Handled (RH) Program
  - Developing Project Team
  - Developing Project Management Plan

Base

13.02 Capsule Storage & Disposition

- Waste Encapsulation and Storage Facility (WESF)
  - Completed inner capsule movement inspections
  - Continued installing fall protection anchors/wall support brackets on the upper roof
  - Completed temporary emergency repairs to the main raw fire-water line
- WESF K1 & K3 Heating, Ventilation, and Air Conditioning Upgrades
  - Issued Functional Design Criteria for review
  - Received RL concurrence on Major Modification Determination approach (this will not be a Major Modification)

- Completed Alternative Analysis Report
- Revised Safety Design Strategy and issued for internal review
- Initiated Conceptual Design Report
- Performed internal reviews on Notice of Construction (NOC) Application

13.03 Canister Storage Building

- Completed multi-canister overpack (MCO) Material Handling Machine (MHM) camera realignment
- Completed 5-year exhaust system leak tests for systems 6 and 7

13.04 Waste Receiving and Processing Facility (WRAP)

- Maintained the facility in a safe and compliant condition

13.07 T Plant

- Shipped 163 containers from T Plant
- Received 29 containers to T Plant
- Z-9 Repack Campaign
- Annual Waste Container Inventory
  - The Annual DE-Ci Waste Container re-baseline inventory was completed with identified minor discrepancies corrected
- Record Inventory and Disposition Schedule (RIDS) Review
  - A facility RIDS review was performed. Identified issues have been assigned to responsible personnel for disposition. Efforts to complete are ongoing.
- Beryllium Program
  - Completed 95% of the Be Worker Training and Be Medical Monitoring Program entrance physicals for NCOs, RCTs, and Maintenance personnel. Awaiting blood test results for approximately 40% of the personnel.

13.08 Central Waste Complex (CWC)

- Shipped ten offsite shipments, 84 containers
- Shipped nine on-site transfers, 499 containers
- Received 14 on-site transfers, 384 containers
- Received six offsite shipments, 11 containers
- Support for TRU Repackage: Completed loading and shipment of one Super 7A Box to Perma-Fix Northwest (PFNW). This completes the current shipping campaign for the Super 7A box
- Top Hat Box: Provided comments to Transportation Safety for revision of 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 Radiological Controlled Vehicle (RCV), which is restricted from off-site shipments.
- Box Assay: Initiated assay campaign of nine boxes. Four boxes have been completed.
- Fire Systems: Supported Fire Systems preventive maintenance packages. 2403WD system activated and attributed to a faulty compressor. System has been restored and is operating on a temporary compressor.
- LLBG
  - Mixed Waste Trench (MWT) – Received twelve offsite shipments, 34 containers
  - MWT – Shipped one leachate tanker to Effluent Treatment Facility (ETF)
  - Completed back filling of Trench 33 in 218-W5

13.11 Liquid Effluent Facilities (LEF)

- Received 27 tankers (25K gallons)
- Treated effluent to State-Approved Land Disposal Site: 2M gallons; (CY 17M gallons)
- 200A Treated Effluent Disposal Facility (TEDF) discharged 2M gallons; (CY 309M gallons)
- Received Environmental Restoration Disposal Facility (ERDF) leachate (90K gallons) at Liquid Effluent Retention Facility (LERF) Basin 44
- Continued operating the 300 Area Retention Transfer System (25 batches/841 gallons)
- Shipped twenty drums and ten mavericks (soft-sided waste containers) of waste to the ERDF
- Received nine drums of Waste Sampling and Characterization Facility wastewater
- Continued with Basin 43 Processing Campaign (processed 2.5M gallons)

13.12 Integrated Disposal Facility

- Completed all required inspections at the Integrated Disposal Facility

13.16 Off Site Spent Nuclear Fuel (SNF) Disposition

- Slightly Irradiated Fuel (SIF) Container Restraint System
  - Completed pours for all remaining concrete column encasements
  - Completed placement and welding of all remaining components (grating, closure beams, and spikes)

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

EPC Projects in Support of S&GRP - ARRA

- 200 West Area Groundwater Treatment Facility – 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 six of the seven buildings (seventh building is S/SX which is base funded). During November, a night shift was utilized for BIO building structural steel erection. This extra shift allows slab on grade pours to be completed during the day shift. Long-lead equipment continues to be fabricated with the first seven tanks delivered to the site.
- A Hazard Review Board was conducted on November 19, 2010, to assure readiness of the systems and personnel for bulk chemical offload. Acceptance Testing is approximately 83% complete. All the ion exchange trains have been tested and approved for continuous operation (November 22, 2010).
- 200E Unsecured Core Complex – S&GW2 – Fire protection system installed. Punch list has been initiated.

EPC Projects in Support of S&GRP – Base

- 200 West Area Groundwater Treatment Facility –S/SX transfer building site is under construction with the first of two slab on grade pours complete
- Erection of the Process Building is complete with the exception of the overhead doors. A contract has been awarded to perform the epoxy coating of the floors at both the Process Building and the H1 Transfer Building. Forms and rebar installation is in progress for the H1 Transfer Building. Twenty four of twenty eight (85%) road crossings are complete. The remaining road crossings will be constructed in the spring. HDPE pipe laying and bonding is 63% complete.

ARRA - GW OPERATIONS

Well Drilling and Decommissioning – ARRA

	November		Cumulative	
	Planned	**Completed**	**Planned**	**Completed**
KR-4 RPO – 4 wells	2	0	2	0
KR-4 RI/FS – 13 wells	1	0	10	6
100-NR-2 Barrier Emplacement – 171 wells	0	0	171	171
100-NR-2 RI/FS – 8 wells	1	0	3	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	2	4	2	4
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	10	6
100-FR-3 – 3 wells	0	0	3	2
300 FF-5 RI/FS – 11 wells	1	0	4	4
Drilling Total	8	4	278	263
Decommissioning Total	14	0	199	176

BASE - GW OPERATIONS

Environmental Strategic Planning:

- Completed the initial effort on the “Technical Work Group” assignments from the Senior Executive Committee (SEC). Two subjects were addressed in this initial effort:

  1) Graded approach to setting soil concentrations protective of groundwater, and

  2) Development of ecological preliminary remediation goals (PRGs).

  Agreements were reached on several important elements of these subjects, further meetings are required. Reports were prepared for presentation at the December 8, 2010, SEC meeting.

Integration Management:

- Restarted the River Corridor Multi Project Teams (MPT) following a series of River Corridor RI/FS scoping and technical issue resolution meetings to get direct feedback from RL and the regulatory agencies on the River Corridor Remedial Investigation/Feasibility Study (RI/FS)
- Developed an integrated deep vadose zone project schedule that shows work to be completed by PNNL, WRPS, and CHPRC

River Corridor

100-BC-5 Operable Unit - Base

- Collection of upwelling (river-porewater) samples from the bottom of the Columbia River was initiated and completed along the 100-BC Area as required in the RI/FS Work Plan Addendum and SAP
- Drilling and sampling activities continued at RI/FS well C7783, and the borehole advanced to 129.0 ft below ground surface (bgs). Five of the seven planned RI/FS borehole and sampling completed.
- The decisional draft of the document proposing expedited remedial actions to be implemented for meeting TPA Target Date M-016-110-T01 was provided to RL for review on November 15, 2010

100-KR-4 Operable Unit - Base

- Received State Historic Preservation Office (SHPO) concurrence with the Determination of No Adverse Effect to HCRC#2010-100-025 on November 18, 2010, for installation of new wells for Phase 3 realignment

100-NR-2 Operable Unit - Base

- The NR-2 Sampling Analysis Plan (SAP) for collecting upwelling (river-porewater) samples from the bottom of the Columbia River along the 100-N shoreline was approved by RL and the regulators on November 8, 2010
- The second round of spatial-and-temporal groundwater well sampling continued, and as a result, 24 of the 26 wells have now been sampled

100-HR-3 Operable Unit - Base

- DR-5 and HR-3 operated at normal capacity (~35 gpm and 200 gpm, respectively) until late November, when low temperatures caused the transfer line between the northern 100-D area and the HR-3 pump-and-treat system to freeze, and subsequently shutting down the DR-5 pump-and-treat system
- RI/FS drilling and sampling continued with four of fifteen wells completed

100-FR-3 Operable Unit - Base

- Collection of additional upwelling (river-porewater) samples was proposed in a TPA Change Notice (CN) to support the RI/FS efforts. This TPA CN (TPA-CN-391) was approved by RL and the Environmental Protection Agency (EPA) on November 15, 2010.
- Drilling and sampling continued with RI/FS well C7791, and the borehole advanced to 105 ft bgs. Overall, 2 of 3 RI/FS wells completed.
- The third round of spatial-and-temporal groundwater well sampling was completed, and as a result, all of the 100-F wells have now been sampled
- The decisional draft of the document proposing expedited remedial actions to be implemented for meeting TPA Target Date M-016-110-T01 was provided to RL for review on November 15, 2010

Central Plateau

200-ZP-1 Operable Unit - Base

- Nine of fourteen groundwater extraction wells are online pumping water at 423 gpm. Extraction wells (#5 and #10) are being kept offline due to low flow.
- Extraction wells 299-W11-45 and 299-W11-46 are online pumping water to ETF at a pumping rate of approximately 30 gpm. The reduced flow rate is allowing ETF to perform maintenance activities.
- Batch treatability testing for activated carbon to remove Tc-99 and various resins to remove Tc-99 and uranium is complete and summary reports are being prepared to present conclusions
- Completed the drilling and sampling for 19 of 24 wells needed for the first phase of operation for the 200 West Treatment Facility. Drilling and sampling of 19 permanent extraction/injection wells is now complete. Drilling continues on injection well IW-4, depth of 464 ft.

Deep Vadose Zone - Base

- Completed the first scoping session on November 15, 2010, with Ecology and EPA for the 200-DV-1 OU
- Completed the Deep Vadose Zone Technical Information Sheet that describes the relationship between the Deep Vadose Zone Project and the 200-DV-1 OU
- Presented the scope and approach for the new 200-DV-1 OU to the River and Plateau Committee (RAP) on November 17, 2010. Initiated Start-Up of the Desiccation Pilot Test at the BC Cribs operable unit on November 8, 2010.

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)
  - Completed demolition activities on 224U and 224UA
  - Completed grouting of C Cell
  - Site survey, equipment decon and stabilization in progress
- U Canyon Demolition and Cell 30 Disposition
  - Core drilling activities have commenced. Grout conveyance equipment has begun to arrive on site. Fabrication of the cask for D-10 is complete and the cask is scheduled to arrive the week of December 13, 2010.
- 200E Project
  - Continued asbestos abatement activities in 284E
  - Completed demolition of 2716E Power Maintenance Storage Building
  - Completed demolition of conveyor and crusher house at 284E
- 209E Project
  - Continued 209E characterization and cold and dark planning activities
  - Completed readiness activities and declared readiness. Began NDA activities on tanks and pipes within the facility. Continued internal inspection of tanks to verify the tanks are dry for removal activities.
  - Completed electrical isolation of the HO-200 glovebox to support removal of the tanks within HO-200 and ultimately removal of HO-200. Began transition of the facility to temporary power to facilitate the isolation of systems and minimize the hazards associated with removal activities.
- 200W Project
  - Continued characterization and cold and dark activities

- Completed the demolition of 2722W Weld Laboratory Building
- Began demolition activities of 284WB Package Boiler Plant

ARRA – OUTER ZONE D&D

- BC Controlled Area Waste Site Remediation
  - Remediation using super dump trucks continued with approximately 272,000 tons cumulative to date of soil removed and transferred to ERDF
  - CERCLA survey measurements have been completed for the first portion of Zone A, approximately 50% of the area
- 200-CW-3 Waste Sites
  - The remaining sites verification package documentation for waste site 216-N-4 and 216-N-6 is in preparation
  - The remaining sites verification package for waste site 216-N-1 was approved with closure documentation forwarded to regulators for approval; CHPRC is incorporating regulator comments.
- MG-1
  - Received comments on MG-1, Revision 1, Sampling Analysis Plan (SAP) from the regulatory agency, preparing comment resolution
  - 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; CHPRC is incorporating regulatory agency comments
  - Site 600-37 is a CSNFA site with confirmatory sampling completed. Closure documentation has been submitted to RL for review and comment.
  - Waste sites 600-36, 600-38, 600-218, 200-W-33, UPR-600-12, OCSA, 600-220 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 indicated that further excavation was required; excavation was performed in November and sample results are pending
  - 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). Surface sampling was performed in November and depth samples are planned to be collected in December.
  - The closure documentation for waste site 600-36 is in preparation
  - Excavation of pipeline 200-W-147-PL commenced this month with approximately 3,052 tons of soil and debris transferred to ERDF
  - CSNFA sampling is continuing at the Old Central Shop Area site to complete characterization
- ALE D&D
  - Completed lower ALE debris site cleanup and demobilized equipment. Completed demolition of 6636 and 623-A on upper ALE.
- NORTH SLOPE
  - Continued with debris pile cleanup activities

- RAILCARS
  - Remedial Action Work Plan (RAWP) and SAP submitted to EPA for review
  - Engineering Evaluation / Cost Analysis (EE/CA) comments received from EPA
  - Mobilization competed and initiated visual inspections of railcars

Base

- Excavation of 600-38 is complete and clean backfill is being staged. The closure documentation is in preparation.
- Excavation of pipeline 600-286-PL was completed with approximately 7,400 tons (cumulative) removed and transported to ERDF. Verification sampling is expected to be performed in December.
- Excavation of pipeline 600-287-PL continued in November with approximately 5,660 tons cumulative removed and transported to ERDF
- Excavation of previously failed CSNFA waste site 600-222 was initiated in October. Sampling in November identified further contamination and the area was further excavated. Approximately 280 tons of soil (cumulative) have been removed and transported to ERDF. Closure documentation is being prepared in anticipation of successful verification sampling in December.
- Beryllium sampling/characterization continued in REDOX, 231Z and 222T

RL-0041 Nuclear Facility D&D, River Corridor

ARRA

Facilities

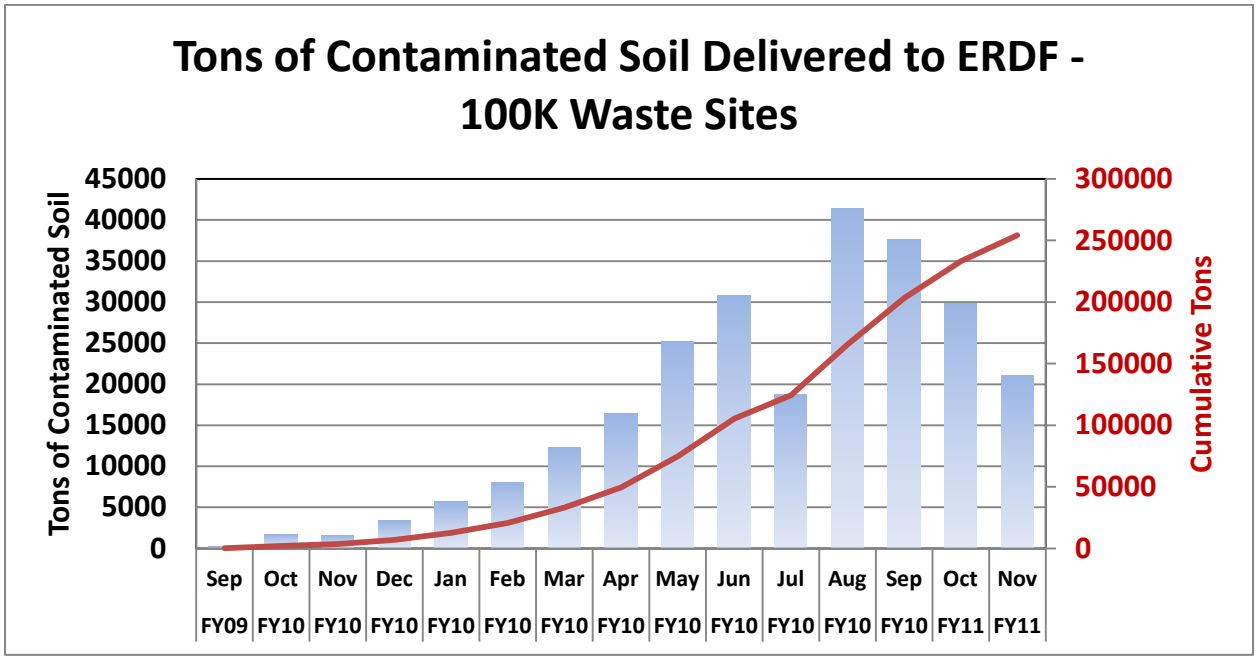
- Completed the 105KE Reactor Core Removal preliminary design review
- 105KE Reactor continued demolition on the west side of the reactor building and initiated demolition of the 105KE discharge chute
- The 115KE Gas Recirculation Building below-grade demolition was initiated by Waste Site Remediation's subcontractor and should finish in March
- The 117KE Exhaust Air Filter Building below-grade demolition will begin in March, after the 115KE facility is removed
- Deactivation is being performed as a mega-package affecting 183.1KE Head House, 183.7KE Tunnel, 181KE River Pump House/1605KE Guard Shack, and 190KE/190KW Main Pump Houses. Deactivation is on hold but should complete in February after major electrical and water system upgrades are completed in late January. Characterization sampling of the 181KE River Pump House/1605KE Guard House should complete in mid-December. Demolition planning for procuring a river silt barrier and stockpiling rip-rap to backfill during demolition are in process so everything is ready for demolition once the facility is deactivated.
- Characterization sampling of the 183.1KE Head House was deferred to mid-December due to a stop-work at the lab doing the sample analysis. The lab's stop work was lifted at October fiscal month end and their backlog has impacted sample turnaround times.
- Demolition load-out of the stockpiled 183.2KW Sedimentation Basin debris is being planned. A contract is in place to create the haul road at U Plant and prepare a U Plant stock-pile area for receipt of this rubble by the end of January. Another contract is in process to haul the clean rubble to U Plant, then stop off and bring clean dirt back from ERDF which will be used for backfill at 100K.
- The only remaining glycol is in the 165KE Power Control Building glycol lines which will be drained after the 165KE boiler room asbestos removal is completed
- The 183.4KW and 183.4KE Clear Well deactivation was placed on hold, as part of the mega-package awaiting January utility upgrades. The 183.2KE Sedimentation Basin and both clear wells

will continue to supply fire protection water until after major electrical and water system upgrades are completed in late January. The basins and clear wells must be drained prior to below-grade demolition of 182K Emergency Water Reservoir Pump House (detailed in base workscope below). This narrow window of opportunity is being carefully planned.

- Asbestos removal is on hold in the 190KE Main Pump House; below-grade asbestos was removed in prior months. Building occupants should be moved out in December, allowing above-grade asbestos removal to resume and complete in January. Accelerating asbestos removal will streamline progression to demolition once the mega-deactivation is completed in late January.

Waste Sites

Work progressed somewhat slower than expected for the month of November. Weather delays were caused by wind and snow during the month. The monthly total for November was somewhat diminished from recent months but still above plan.



HVAC Project

Performed successful systems testing under full operation

Electrical Project

- Began working 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 K West Basin. Completed sludge sampling from Container 230 and began sampling from Container 210. For the Final Debris Campaign, 39 units were dispositioned and another 30 were identified to remain as placed, bringing the total number of units to 679.

Base

Facilities

- Completed 30-day public comment period for the 105KE Reactor Disposition EE/CA, Draft A
- 116KW Reactor Exhaust Stack is on hold. This facility has a slight risk of falling onto the 105KE Basin, thus was deferred from FY 2010. The waste site under this facility is related to a 2012 TPA milestone. Negotiations are under way on the TPA milestone, after which time the 116KW facility demolition will be re-scheduled after completion of the 105KE Basin work.
- 110KW Gas Storage Facility demolition will be performed with the nearby 115KW in January. 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 is scheduled for December. Electrical isolation is planned in late December. The need for tie-down analysis on shipping the tanks to ERDF will be determined once desiccant sample results are received. Similar tanks in 115KE were determined to be Department of Transportation-shipped thus didn't require tie-down analysis. Asbestos removal was begun, and should complete in March.
- The 117KW Exhaust Air Filter Building characterization final report is complete. Electrical isolation is planned in mid-December. Above-grade demolition is planned to occur in January.
- The 118KW Horizontal Control Rod Storage Cave was demolished and debris loaded out
- The 119KW Exhaust Air Sampling Building electrical isolation is in process, and demolition should commence with the adjacent 117KW
- 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. 1706KE below-grade demolition should begin in December through May, followed by 1706KER below-grade demolition.
- After the utilities upgrades finish in late January, a group of facilities will be deactivated as part of a "mega-package" approach. 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 FY 2012. The 151K Electrical Substation was also added, which is accelerated from FY 2013. Once the en-mass deactivation occurs, the demolitions will be performed on a staggered schedule.
- Deactivation has been placed on hold for four buildings which will be removed at one time after the utility upgrades occur in late January. The buildings are the 1717K Maintenance Transportation Shop, 1717AKE Electrical Shed, 1724K Maintenance Shop, and 1724KA Storage Shed. Fifteen Connex boxes, two tents, and a new tool crib mobile office have been 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 winter 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 in late January, 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 mid-December.
- Demolished four K West mobile offices (MO236, MO237, MO323, and MO955) and all the debris was loaded out. This demolition work was accelerated from FY2012.

Waste Sites

- Excavation of 100-K-63 is suspended waiting on data analyses to determine if the site currently meets the Remedial Action Goal of the Record of Decision (ROD)
- Closure work on 118-KE-2 and 118-KW-2 was initiated as D4 has completed removal of the sites

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 independent Readiness Assessment (RA) team completed its readiness review of Aspigel® on November 19. The team identified one pre-start finding, two post-start findings, and two observations. PFP has completed the causal analysis and the corresponding corrective actions for the pre-start finding, and the startup authority granted permission to proceed with the activity on December 3, 2010. Final preparations to prepare glovebox HA-19 for the application of Aspigel® are ongoing. Currently, PFP intends to begin chemical decontamination with Aspigel® on or about December 9.

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 m^3 by September 30, 2011.

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

Status – Achieved Recovery Plan volume as of September 30, 2010 (889 m^3 removed, 757m^3 shipped). Recovery schedule supports Tri-Party Agreement milestone of 2,000 m^3 by September 30, 2011. Implemented FY2011 volume recovery plan

Issue – Approval of CCP Certification Program by Carlsbad Field Office (CBFO)

Corrective Action – CCP is evaluating additional certification staff to mitigate delay.

Status – U.S. Environmental Protection Agency (EPA) approval letter at EPA Director's level, awaiting signature.

Issue – Implementing Beryllium Program at T-Plant and WRAP impacting repack operation.

Corrective Action – Beryllium Hazard Assessment Plans (HAP) developed and implemented. All required personnel trained.

Status – T-Plant – 95% of required personnel trained.

- HAP being finalized

WRAP – All required personnel trained.

- HAP approved

RL-0030 Soil and Groundwater Remediation

Issue – The RI/FS drilling schedule has been impacted by the S&GRP stop work initiated on September 27, 2010, and continued through November 1, 2010. The drilling program experienced a schedule loss of 26 work days.

Corrective Actions – 100-HR-3 and 100-KR-4 Operable Units continue to receive drilling and sampling priority. Three drill rigs and an additional construction rig is available to support the 100-KR-4 investigation. 100-HR-3 has three drill rigs and a pump rig that will be used to recover schedule. Additional efforts to support recovery include evaluating the use of faster turnaround times for laboratory analysis, accelerating sample analyses data return, data validation turnaround times, 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. 100-HR-3 RI/FS experienced schedule recovery during the month. 100-KR-4 experienced additional rig downtime for maintenance and longer drilling durations during the month than planned, showing no schedule recovery gain for the month.

Issue – There are several examples of extended comment review on CERCLA documents; the most significant being 200-PO-1 RI/FS Work Plan and SAP and 100-N RI/FS Work Plan Addendum and SAP. The issues on these documents are different, 100-N the review period has extended 6 months, and after each review, additional comments are received. With the PO-1 documentation, 2 review extensions were requested and comments (draft) were not given until recently, but this has also stretched into a 6-month effort.

Corrective Actions – Timelines and back-up information on these two specific documents has been prepared and given to RL. It was suggested that this be a final topic at the SEC; however, it was determined that discussion would be initiated offline.

Status – CHPRC continues to work the parties involved to facilitate timely comment resolution; however, schedule variance and cost impacts are evident on both projects.

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

None at this time.

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 3 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 105KE discharge chute started in mid-October and continues. Waste site work is on hold until the chute is removed.

Issue – 13 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 December. Additional CPs will be submitted for the sites not covered in CP-1061.

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. A partial release is anticipated in December. 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 one 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.

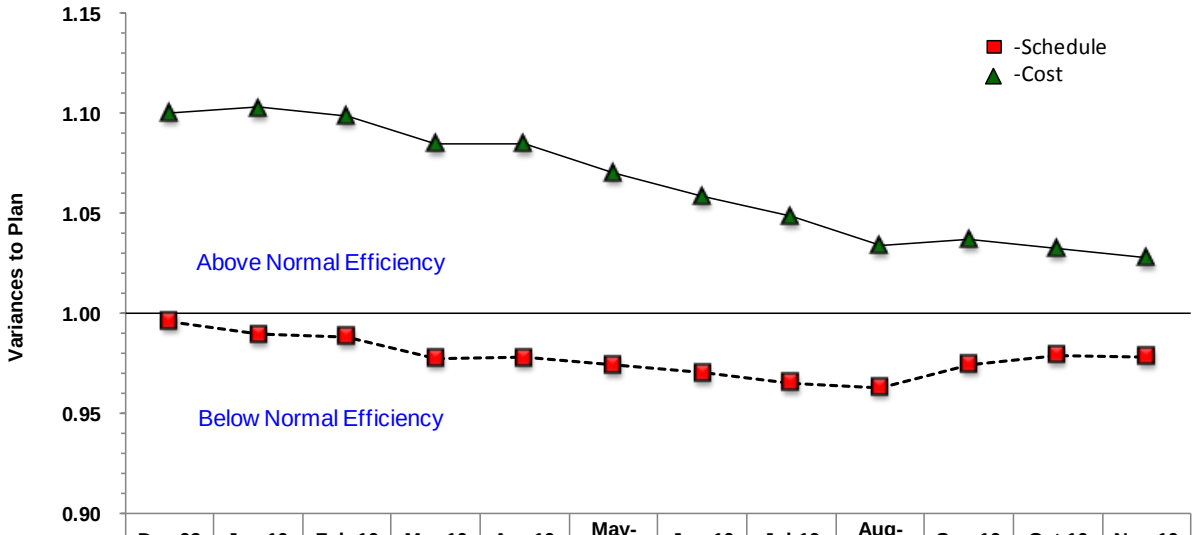
Corrective Action – CHPRC and RL are working to reconcile the Contract and Performance Measurement Baseline through negotiation of Change Proposals with the goal of completing negotiations in December 2010.

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

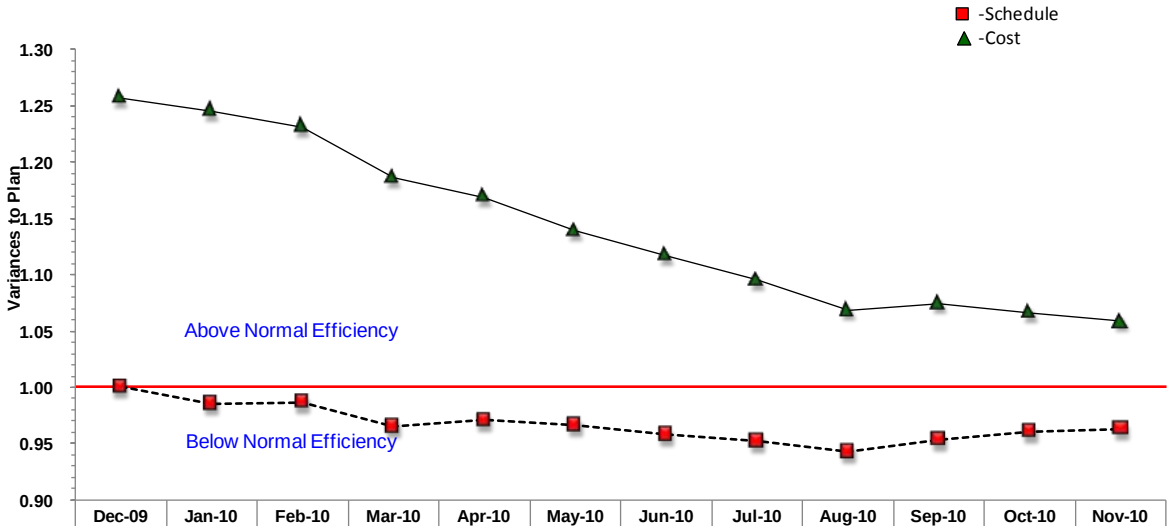
(Rolling 12 Month View)



	Dec-09	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10
MONTHLY SPI	1.29	0.92	0.97	0.84	0.98	0.92	0.91	0.89	0.92	1.13	1.10	0.96
MONTHLY CPI	1.20	1.14	1.05	0.91	1.08	0.88	0.89	0.91	0.83	1.07	0.93	0.94
CTD SPI	1.00	0.99	0.99	0.98	0.98	0.97	0.97	0.97	0.96	0.97	0.98	0.98
CTD CPI	1.10	1.10	1.10	1.08	1.08	1.07	1.06	1.05	1.03	1.04	1.03	1.03

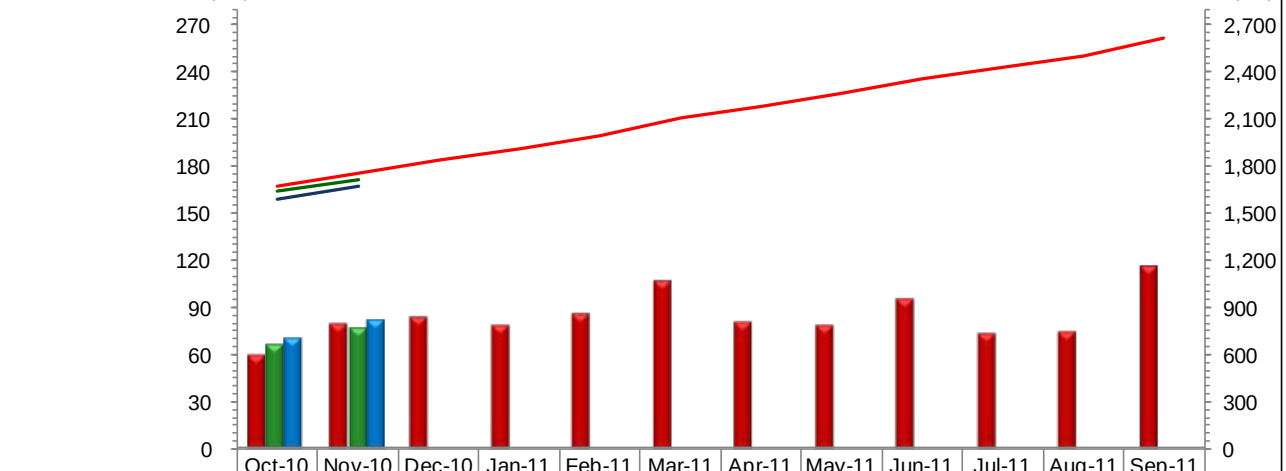
Schedule and Cost Performance - ARRA

(Rolling 12 Month View)



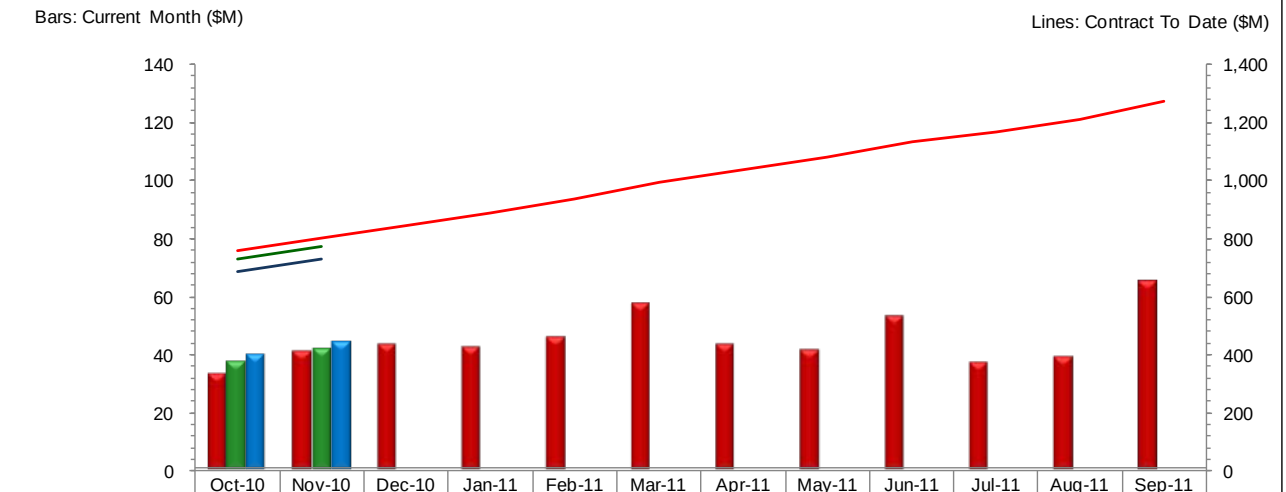
	Dec-09	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10
MONTHLY SPI	1.39	0.90	1.00	0.81	1.01	0.92	0.86	0.89	0.83	1.06	1.11	1.01
MONTHLY CPI	1.12	1.17	1.14	0.89	1.07	0.90	0.90	0.90	0.80	1.13	0.93	0.94
CTD SPI	1.00	0.99	0.99	0.97	0.97	0.97	0.96	0.95	0.94	0.95	0.96	0.96
CTD CPI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

Schedule and Cost Performance - ARRA and Base



	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	79.1	83.3	78.1	85.0	105.7	80.1	78.1	94.8	72.7	74.0	115.7
MONTHLY BCWP	65.0	76.2										
MONTHLY ACWP	69.7	80.9										
CUMULATIVE BCWS	1,672.6	1,751.7	1,835.0	1,913.1	1,998.1	2,103.8	2,183.9	2,262.0	2,356.9	2,429.6	2,503.5	2,619.2
CTD BCWP	1,637.3	1,713.5										
CTD ACWP	1,586.4	1,667.3										

Schedule and Cost Performance - ARRA



	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	41.4	43.6	42.8	46.1	57.7	44.0	42.0	53.3	37.8	39.5	65.5
MONTHLY BCWP	37.5	41.8										
MONTHLY ACWP	40.1	44.5										
CUMULATIVE BCWS	761.1	802.5	846.1	888.8	934.9	992.6	1,036.6	1,078.6	1,131.8	1,169.6	1,209.2	1,274.6
CTD ACWP	685.7	730.2										
CTD BCWP	731.1	772.9										

Performance Analysis – November

ARRA Performance by PBS ($M)

	Current Period				
	Budgeted Cost		Actual Cost	Variance	
	BCWS	BCWP	ACWP	Schedule	Cost
RL-0011 - PFP D&D	9.2	8.3	9.6	(1.0)	(1.3)
RL-0013 - MLLW Treatment	1.2	0.9	0.8	(0.4)	0.0
RL-0013 - TRU Waste	8.1	9.5	11.7	1.4	(2.2)
RL-0030 - GW Capital Asset	10.8	8.4	8.1	(2.4)	0.3
RL-0030 - GW Operations	2.1	3.4	4.0	1.3	(0.6)
RL-0040 - U Plant/Other D&D	5.3	5.1	4.0	(0.2)	1.2
RL-0040 - Outer Zone D&D	3.3	3.6	2.1	0.3	1.4
RL-0041 - 100K Area Remediation	1.4	2.7	4.2	1.2	(1.5)
Subtotal	41.4	41.8	44.5	0.4	(2.7)

ARRA

The Current Month favorable Schedule Variance (+$0.4M/+1.0%) reflects:

- The RL-0041 positive variance (+$1.2M) is due to the following:
  - Waste Sites (+$1.7M) – The positive schedule variance is attributed to point adjustments related to implementation of BCR-PRC-10-048R0 which moved all remaining scope to a new area-based WBS.
  - 100K Area Project (Facilities and Others) (-$0.5M) – The negative schedule variance is Facilities (-$0.3M) due to deferred cold and dark; 105KE Reactor (-$0.1M) attributed to RL verbal direction to delay the preliminary design review activities from July to November; and Project Management (-$0.1M) due to an erroneous earned value code which will be corrected in December.
- The RL-0013 positive variance (+$1.0M) reflects the following subproject performance:
  - RL-0013 MLLW Treatment – Mixed Low Level Waste (MLLW) shipments delayed due to internal/external review for approval of tie-down analysis (approved shipments to resume next month), coupled with receiving facility's inability to accept extra-large sized waste shipments until building modifications completed, partially offset by shipments of Large Type A waste planned in prior period.
  - RL-0013 TRU Waste – Accelerated RH/Large Package Commercial Repack TRUM shipments and returns.
- Primary contributors to the RL-0030 negative variance (-$1.1M) that exceed the reporting thresholds reflect the following subproject performance:
  - ARRA RL-0030.R1.1 GW Capital Assets (-$2.4M) – Is primarily due to the 200-ZP-1 Operable Unit (-$2.2M) where Issued for Construction (IFC) drawings were issued late impacting construction activities. Schedule recovery is expected by January of 2011.

- ARRA RL-0030.R1.2 GW Operations (+$1.3M) – Is due to Ramp-up & Transition (+$1.6M) where work was performed for activities planned in prior months.

- The RL-0011 negative variance (-$1.0M) is primarily due to complex issues associated with removing the glovebox exhaust system, shortage of D&D crew resources. Delays in removing gloveboxes and pipe are impacting miscellaneous D&D of 234-5Z.
- The RL-0040 positive variance (+$0.2M) reflects the following subproject performance:
  - ARRA RL-0040.Rl.2 Outer Zone D&D (+$0.3M) positive schedule variance is a result of continuing the modified approach to remediating the soils in the BC Control Area (+$0.5M). To expedite clearing the bulk excavation portions of the site, a process of short-term onsite stockpiling was initiated. Stockpiling has enabled a full utilization of haul capability since remediation has moved on to removal of more widely spaced spot contamination. This gain is offset by delays in starting pipeline remediation activities (-$0.2M).
  - ARRA RL-0040.R1.1 U Plant/Other D&D (-$0.1M) is within reporting thresholds.

The Current Month unfavorable Cost Variance (-$2.7M/-6.5%) reflects:

- The RL-0013 negative variance (-$2.2M) reflects the following subproject performance:
  - RL-0013 TRU Waste – Primarily due to increased labor for training and Site Prep for the Trench Face Retrieval and Characterization System (TFRCS), coupled with increased management costs in support of TRU Retrieval deteriorated waste containers.
  - RL-0013 MLLW Treatment is within reporting thresholds.
- The RL-0041 negative variance (-$1.5M) is due to the following:
  - 100K Area Project (Facilities and Others) (-$1.5M) – The negative cost variance 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 (-$0.3M) where below-grade demolition is being planned (115KE and 117KE) but has not started; and cold-and-dark being worked but unable to complete until after late January utility upgrades occur. The 105KE Reactor (-$0.8M) primarily due to the addition of the discharge chute demolition; and cost overruns due to labor mischarges and contract percentage splits against multiple accounts. These are offset by positive variances in K West deactivation (+$0.1M) due to the Final Debris Campaign completing a total of 69 units; G&A (+$0.3M) due to rate efficiencies; and Project Management/MSA Assessments (+$0.1M) as usage is slightly down.
  - Waste Sites (+$0.0M) is within reporting thresholds.
- The RL-0011 negative variance (-$1.3M) is due to the 234-5Z D&D dedicated crews continue to charge during non-productive periods, increased overtime to support recovery, and a lag in facility modifications material/subcontract payments.
- The primary contributors to the RL-0030 negative variance (-$0.3M) that exceed the reporting thresholds are as follows:
  - The primary contributors to the ARRA RL-0030-R.1.2 GW Operations negative variance (-$0.6M) that exceed reporting threshold are as follows:
    - Ramp-up & Transition (-$0.6M) – The fit out contract/cost for S&GRP maintenance facilities is greater than planned. Although fit out cost will overrun, the overall contract for the maintenance facilities will be within budget.
    - PBS RL-30 UBS, G&A, and Direct Distributables (-$0.3M) – The CTD positive cost variance is discussed in Appendix C.

- ARRA RL-0030.R1.1 GW Capital Asset (+$0.3M) – Due to the 100 HR-3 Operable Unit (-$0.3M) were technical issues have been encountered for installation and testing of DX process building, piping, and electricity. More labor resources have been assigned resulting in the cost overrun.

- The RL-0040 positive variance (+$2.6M) reflects the following subproject performance:
  - ARRA RL-0040.R1.2 Outer Zone D&D (+1.4M) – Primarily due to the short-term stockpile approach in BCCA and the correction of October ERDF charges, which were applied at the higher FY 2010 rate.
  - ARRA RL-0040.R1.1 U Plant/Other D&D (+$1.2M) is within reporting thresholds.

Base Performance by PBS ($M)

	Current Period				
	Budgeted Cost		Actual Cost	Variance	
	BCWS	BCWP	ACWP	Schedule	Cost
RL-0011 - Nuclear Mat Stab & Disp PFP	3.6	3.5	3.2	(0.1)	0.3
RL-0012 - SNF Stabilization & Disp	6.4	6.3	6.1	(0.0)	0.3
RL-0013 - Solid Waste Stab & Disp	6.9	6.8	8.0	(0.2)	(1.3)
RL-0030 - Soil &Water Rem-Grndwtr/Vadose	10.2	13.5	14.0	3.2	(0.5)
RL-0040 - Nuc Fac D&D - Remainder Hanfrd	1.7	1.7	1.7	0.0	(0.0)
RL-0041 - Nuc Fac D&D - RC Closure Proj	8.8	2.6	3.3	(6.2)	(0.7)
RL-0042 - Nuc Fac D&D - FFTF Proj	0.1	0.1	0.1	0.0	0.1
Subtotal	37.8	34.4	36.4	(3.3)	(2.0)

Base

The Current Month unfavorable Schedule Variance (-$3.3M/-8.8%) reflects:

- The RL-0041 negative variance (-$6.2M) is due to the following:
  - Waste Sites (-$4.8M) – A large part of the schedule variance (-$5.0M) is due to work on many waste sites that was completed early with performance taken in prior months, particularly 100-K-63; and the rest (+$0.2M) is from minor affects of BCR-PRC-10-048R0.
  - 100K Area Project (Facilities and Others) (-$1.4M) – The negative variance is primarily due to (-$1.1M) Facilities where cold and dark activities are being pushed by late January utility upgrades into February and 105KE Reactor (-$0.3M) due to delayed start of the final design due to rescheduling the 60% design review from June to November.
- The primary contributors to the RL-0030 positive variance (+$3.2M) that exceed the reporting thresholds are as follows:
  - 100 HR-3 Operable Unit (+$2.0M) – HX construction activities (process building equipment procurement/installation, distribution of electricity and piping, and erect process building) are proceeding ahead of schedule. BCR-030-11-001R0 was also implemented in November resulting in a current month point adjustment.
  - Regulatory Decision/Closure (+$2.0M) – Some activities that are no longer part of the new plateau closure strategy were inadvertently left in the baseline when the Mod 95 BCR was

implemented in October. AWA-030-11-005R0 (Additional Work Scope Alignment Supporting Mod 95) was implemented in November to correct the over site resulting in a current month positive point adjustment and positive schedule variance.

- Drilling (-$0.4M) – There is an uncertainty to the number of ZP-1 wells to be drilled and the subcontract is to be rebid to reflect optional drilling. This has caused the current period delay; no long term impact is expected as a result of this change.

- The RL-0011, RL-0012, RL-0013, RL-0040 and RL-0042 variances (-$0.3M) are within reporting thresholds.

The Current Month unfavorable Cost Variance (-$2.0M/-5.8%) reflects:

- The RL-0013 negative variance (-$1.3M) – Assessments continue above plan, project management had labor and subcontractors charge to Base account instead of ARRA (correction next month), coupled with higher material costs to support transportation and packaging, initiated extended subcontractor work schedule for WESF roof upgrades, and spent nuclear fuel (SNF) incurred subcontractor costs without commensurate performance, partially offset by Solid Waste Base Ops Subcontractor cost transfer to TRU Retrieval ARRA account for Solid Waste Information and Tracking System (SWITS).
- The RL-0041 negative variance (-$0.7M) is due to the following:
  - Waste Sites (-$0.5M) – The current month cost variance is primarily related to effects of BCR-PRC-10-048R0 where work scope was moved to new WBS elements retroactive to the start of the fiscal month. Cost transfers will correct this next month.
  - 100K Area Project (Facilities and Others) (-$0.2M) – The negative cost variance for Facilities (-$0.2M) is due to relocating the 115KW tanks multiple times; and G&A (-$0.1M) is rate application. This is offset by 105KE Core Removal (+$0.1M) and is attributed to project design delays that have caused the project not to spend at the rate planned.
- The primary contributors to the RL-0030 negative variance (-$0.5M) that exceed the reporting thresholds are as follows:
  - 100 KR-4 Operable Unit (-$0.8M) – The unfavorable cost variance is due to:
    - Increased use of resources to expedite remedial investigation sampling and RI/FS report efforts
    - More labor required than expected to perform the O&M LOE activities
    - Unexpected work on KR-4 Treatment Building to modify the acid feed pump
    - Correction of misdirected TTP cost from earlier in the year
    - Impact to overall contract completion cost is being evaluated.
  - Integration and Assessments (+$0.3M) – Underruns occurred in labor and contracts. Underruns were achieved in sample management activities as some resources are charged directly to the projects rather than to this account. Contract accruals/reversals also contributed to the positive variance and are being reviewed for correctness. Any required corrections will not impact the estimated completion cost for these activities.
  - Regulatory Decision/Closure (+$0.3M) – AWA-030-11-005R0 Additional Work Scope Alignment (Mod 95) was implemented in November resulting in a point adjustment that caused this positive cost variance. No impact to contract completion cost will result from this adjustment.
- The RL-0011, RL-0012, RL-0040 and RL-0042 variances (+$0.7M) are within reporting thresholds.

Performance Analysis – Contract to Date

ARRA Performance by PBS ($M)

	Contract to Date					Contract Period		
	Budgeted Cost		Actual Cost	Variance				
	BCWS	BCWP	ACWP	Schedule	Cost	BAC	EAC	Variance
RL-0011 - PFP D&D	168.6	158.4	153.1	(10.2)	5.4	277.5	277.8	(0.3)
RL-0013 - MLLW Treatment	34.3	33.1	31.1	(1.3)	1.9	47.8	46.0	1.8
RL-0013 - TRU Waste	132.2	131.1	132.8	(1.0)	(1.7)	249.2	238.3	10.9
RL-0030 - GW Capital Asset	91.5	83.0	82.8	(8.4)	0.2	168.5	192.7	(24.3)
RL-0030 - GW Operations	61.5	56.9	50.5	(4.5)	6.4	84.3	81.3	3.0
RL-0040 - U Plant/Other D&D	134.5	130.2	115.8	(4.3)	14.4	196.7	185.7	11.0
RL-0040 - Outer Zone D&D	50.9	51.7	41.2	0.8	10.5	83.0	78.3	4.7
RL-0041 - 100K Area Remediation	129.0	128.5	122.9	(0.5)	5.6	169.4	162.1	7.3
Subtotal	802.5	772.9	730.2	(29.5)	42.7	1,276.4	1,262.2	14.2

ARRA

The CTD unfavorable Schedule Variance (-$29.5M/-3.7%) reflects:

- The primary contributors to the RL-0030 CTD negative variance (-$13.0M) that exceed the reporting thresholds are as follows:
  - ARRA RL-0030.R1.1 GW Capital Asset (-$8.5M)
    - 200 ZP-1 Operable Unit (-$8.6M) – Long-lead procurements and various construction activities are behind schedule due to design release delays. CHPRC is working with contractor to increase manpower/OT to recover schedule. Schedule recovery is expected by January 2011. There was also an increase to the EAC for 200 West Pump-and-Treat of approximately $24M from last month. The increased Project EAC is primarily driven by changes in the design between award of construction (60% design) and final Issued for Construction design. Additional changes include schedule acceleration and increased cost for the Sludge Stabilization System installation as the design matured.
  - ARRA RL-0030.R1.2 GW Operations (-$4.5M)
    - Drilling (-$1.4M) – Operations management directed a sampling stop work which has stopped drilling. A corrective action plan was developed and work was restarted in November. Schedule variance is expected to improve over the coming months.
    - Ramp-up and Transition (-$3.0M) variance is due to several factors: 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 (-$10.2M) is primarily due to:
  - 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
  - Additional time needed on chemical decontamination and the removal of external connections Recovery – Utilization of an additional decontamination agent (Aspigel®), additional overtime, leaving gloveboxes in place for removal during demolition, implementing a new containment approach, prioritizing and reassigning resources, outsourcing a portion of the TRU gloveboxes for treatment/size-reduction and application of the revised SCO process are expected to contribute to the gradual schedule recovery. The Aspigel® Readiness Assessment was completed and will be deployed mid-December. The concept to leave four KPP-related gloveboxes in place for extraction during building demolition was presented to RL with favorable initial response. The BCR-PRC-11-011R0, Replan PFP Work Scope to Align with Recovery Plan, will be implemented in December. Four of the 174 KPP gloveboxes in 234-5Z are forecast to complete two months beyond the September 30, 2011 completion date. Actions will be taken to accelerate completion of the four gloveboxes to ensure meeting the KPP.
- The RL-0013 CTD negative variance (-$2.3M) reflects the following subproject performance:
  - RL-0013 MLLW Treatment – Fewer Mixed Low 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), coupled with internal/external review for approval of tie-down analysis, receiving facility's current inability to accept extra-large sized waste, and delay in shipments to offsite treatment facility utilizing Large Type A Container, partially offset by 435.1 Compliance Waste processing being achieved ahead of schedule.
  - RL-0013 TRU Waste – Delay in T-Plant Repack operations due to drum lid issue recovery actions, delay in full Central Characterization Program (CCP) implementation (Recovery Plan in progress), coupled with temporary suspension of TRUPACT-II shipments due to receiving facility's outage, delay in Next Generation Retrieval (NGR) staff training and assembly operations for Trench Face Process System (TFPS), partially offset by accelerated RH/Large Package Commercial Repack TRUM returns.
- The RL-0040 CTD negative variance (-$3.5M) reflects the following subproject performance:
  - ARRA RL-0040.R1.1 U Plant/Other D&D (-$4.3M) – The negative schedule variance is due to late award of the grout contract for U Canyon (-$3.5M), delays with the 200E Administration Buildings (-$2.2M) due to bio-hazard and radiological control issues. This is offset by accelerating 209E demolition preparation, mobilization, and asbestos abatement (+$1.2M) and asbestos abatement for 200 West (+0.2M).
  - ARRA RL-0040.Rl.2 Outer Zone D&D (+$0.8M) – The primary contributors to the schedule variance that exceed the reporting thresholds include accelerated progress on BC Control Area (+$2.7M) and CW-3 waste sites (+$0.2M), offset by delays in MG-1 and outer zone pipelines (-$1.5). Several ALE towers have not been released for work causing a negative schedule variance (-$0.2M) and delays with cultural/ecological reviews on the North Slope (-$0.2M).
- The RL-0041 CTD negative variance (-$0.5M) is within reporting thresholds.

The CTD favorable Cost Variance (+$42.7M/+5.5%) reflects:

- The RL-0040 CTD positive variance (+$24.9M) reflects the following subproject performance:
  - ARRA RL-0040.R1.1 U Plant/Other D&D (+$14.4M) – 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 (+$6.8M), less for Program Management than planned (+$1.1M), efficiencies at U Canyon (D4) (+$2.7M), less resources than planned for C-3 Sampling (+$0.7M) and 200E Administration (+$1.7M), lower than planned costs for capital equipment (D4) (+$3.5M), less asbestos abatement required for 200 West buildings (+$2.2M), 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) (-$7.2M), coupled with increased insulator staff and overtime to recover schedule, 209E Project (-$0.3M).
  - ARRA RL-0040.Rl.2 Outer Zone D&D (+$10.5M) – The favorable cost variance is due to efficiencies in ALE and North Slope Facilities D&D (+$4.5M) and Outer Area waste sites (+$7.1M). The waste site favorable cost-to-date variance is primarily due to an O-Zone Remove, Treat, and Dispose (RTD) Waste Sites adjustment (pass-back) to ERDF waste disposal costs reflecting the operational efficiencies of the super dump trucks. In addition, a negative cost variance is associated with 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 primary contributors to the RL-0030 CTD positive variance (+$6.7M) that exceed the reporting thresholds are as follows:
  - ARRA RL-0030.R1.2 GW Operations (+$6.4M)
    - Drilling (+$3.1M) – 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 decommissioning has also been completed for less than planned.
    - Regulatory Decision and 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 (+$0.8M) – The CTD positive cost variance is discussed in Appendix C.
- The RL-0041 CTD positive variance (+$5.6M) is within reporting thresholds.
- The RL-0011 CTD positive variance (+$5.4M) is due to the efficiencies recognized on cross-cutting support to the D&D work teams (primarily in solid waste management, project management, nondestructive assay, consumables and subcontracts), demolition of ancillary buildings, and the removal of asbestos and non-process equipment from 234-5Z are the cause of this positive variance. Note: This positive cost variance is expected to 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 Cost Performance Index does not fall below the threshold of 1.00.

- The RL-0013 CTD positive variance (+$0.2M) reflects the following subproject performance:
  - RL-0013 MLLW Treatment – Mixed Low Level Waste costs below plan due to efficiencies created by treating waste at energy Solution (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 and Mixed Waste Disposal Trench Upgrades.

RL-0013 – TRU Waste – Increased labor and materials costs in support of the Trench Face Retrieval and Characterization System (TFRCS), coupled with increased support and management costs in support of TRU Retrieval deteriorated waste containers, increased allocations for additional office space and other assessments as a result of increased Recovery Act Expenditures, partially offset by lower ramp up and training costs for TRU Characterization and Shipping, lower G&A allocations, and efficiencies in T-Plant, Project Management, and Waste Receiving and Processing (WRAP).

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	129.8	130.1	127.6	0.4	2.5	326.8	352.0	(25.3)
RL-0012 - SNF Stabilization & Disp	182.3	178.8	184.4	(3.5)	(5.6)	580.1	592.6	(12.4)
RL-0013 - Solid Waste Stab & Disp	249.9	248.3	253.7	(1.6)	(5.5)	1,594.2	1,586.7	7.5
RL-0030 - Soil &Water Rem-Grndwtr/Vadose	284.8	281.1	278.2	(3.7)	2.8	1,232.7	1,222.2	10.5
RL-0040 - Nuc Fac D&D - Remainder Hanfrd	52.4	52.5	46.6	0.2	5.9	984.7	971.6	13.2
RL-0041 - Nuc Fac D&D - RC Closure Proj	39.8	39.4	37.0	(0.4)	2.3	380.0	373.7	6.3
RL-0042 - Nuc Fac D&D - FFTF Proj	10.4	10.4	9.5	0.0	0.9	25.2	23.9	1.2
Subtotal	949.3	940.5	937.1	(8.7)	3.5	5,123.7	5,122.7	1.0

Base

The CTD unfavorable Schedule Variance (-$8.7M/-0.9%) is within reporting thresholds and reflects:

- The primary contributors to the RL-0030 CTD negative variance (-$3.7M/-1.3%) that exceed reporting thresholds are as follows:
  - 200-UP-1 Operable Unit (+$1.1M) – S-SX construction activities planned later in FY2011 were performed ahead of schedule.
  - 300 FF-5 Operable Unit (-$1.1M) – 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.
- The RL-0011, RL-0012, RL-0040, RL-0041 and RL-0042 CTD variances (-$3.4M) are within reporting thresholds.

- The RL-0013 CTD negative variance (-$1.6M) is due to the slow startup of Canister Storage Building (CSB) engineering activities that were previously delayed due to resource availability (previously assigned to higher priority activities), WESF upgrades CDR delayed by alternative analysis review (currently approved), coupled with previously delayed WESF roof upgrades due to enhanced Plateau Remediation Contract (PRC) safety practices and work management requirements, ETF procurements delayed by vendor negotiations, delayed Next Generation TRU Retrieval power procurement due to delayed site prep, partially offset by performance taken on WRAP upgrades scheduled for FY2013.

The CTD favorable Cost Variance (+$3.5M/+0.4%) reflects:

- The RL-0040 positive variance (+$5.9M) is due to the following:
- Balance of Site (facilities and others) (+$5.8M) where the favorable cost variance is associated with recognized efficiencies for demolition of the Industrial 7 Project (D4) (+$0.6M) as a result of utilization of existing site equipment and materials, surveillance and maintenance costs (D4) (+$1.0M) less than expected, completed the sampling of Cell 30 with less resources than planned (+$0.9M), Program Management utilizing less resources (+$1.2M), capital equipment (+$0.3M), Usage Base Services (+$0.1M), and underrun in G&A and direct distributable allocations (+$1.6M). In addition, minor accounts outside the threshold (+$0.2M).
- Waste Sites (+$0.1M) 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, offset by the costs associated with rework of CW-3 pipelines 600-286-PL and 600-287-PL.
- Primary contributors to the RL-0030 CTD positive variance (+$2.8M) that exceed reporting thresholds are as follows:
  - 200-ZP-1 Operable Unit (+$2.3M) variance is due to the following: 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.
  - 200 PW-1 OU (+$0.8M) – Labor and subcontract cost for general operations and minor modifications support is less than planned. In addition the SVE system testing prior to March 1, 2010 went smoothly with no significant repairs and the accessing of the two old SVE units required significantly less labor than planned.
  - Ramp-up & Transition (-$2.8M) – Projected cost/accrual for the employee rewards and recognition program exceeded plan in FY2010.
  - 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&GRP project.
- The RL-0011 CTD positive variance (+$2.5M) is due to early completion of Special Nuclear Material De-Inventory, D&D Materials Subcontracts, Waste Container Procurements, D&D staff

ramp-up, recognized efficiencies in Min-Safe Operations and Demolition, and PRF east gallery glovebox cleanout.
Recovery – This positive cost variance is expected to decrease with increased utilization of overtime to recover schedule associated with the PRF canyon floor cleaning and Canning and Charging glovebox removals, but will be monitored closely to ensure the trend does not drive CPI below the threshold of 1.00.

- The RL-0041 positive variance (+$2.3M) is due to the following:
  - Waste Sites (+$4.3M) – The positive cost variance arises from completion of 100-K-56 Part 2 and CSNA scope at lower than anticipated cost.
  - 100K Area Project (Facilities and Others) (-$2.0M) – The negative variance is from Facilities (-$0.7M) due to 1706KE/KEL/KER overruns on the above-grade demolition; Project Management (-$0.7M) due to the higher-than-planned number of vehicles (MSC Services) being utilized by the project; and G&A (-$1.5M) due to rate application. This is partially offset by the positive variance in 105KE Reactor (+$0.9M) due to subcontractor design activity costs not being incurred as design was delayed from July 2010 to November 2010.
- The RL-0013 CTD negative variance (-$5.5M) 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 liquid effluent facilities (LEF), MLLW (due to treating waste at ES-Clive rather than planned treatment at PFNW), SNF disposition, TRU disposition, TRU repackaging, CWC, capsule storage and disposition, and canister storage and disposition, with lower G&A allocations.
- The RL-0012 and RL-0042 CTD variances (-$4.7M) are within reporting thresholds.

FUNDING ANALYSIS
FY2011 Funds vs. Spend Forecast ($M)

		FY 2011		
PBS	Project	Projected Funding	Spending Forecast	Variance
RL-0011	Nuclear Materials Stabilization and Disposition	163.1	148.1	15.0
RL-0013	Waste and Fuels Management Project	162.5	148.8	13.8
RL-0030	Soil, Groundwater and Vadose Zone Remediation	157.6	172.8	(15.2)
RL-0040	Nuclear Facility D&D, Remainder of Hanford	142.6	127.2	15.5
RL-0041	Nuclear Facility D&D, River Corridor	67.7	52.5	15.2
	Total ARRA:	**693.6**	**649.3**	**44.3**
RL-0011	Nuclear Materials Stabilization and Disposition	45.3	44.8	0.5
RL-0012	Spent Nuclear Fuel Stabilization and Disposition	83.8	83.9	(0.2)
RL-0013	Waste and Fuels Management Project	97.7	100.1	(2.4)
RL-0030	Soil, Groundwater and Vadose Zone Remediation	137.2	178.5	(41.3)
RL-0040	Nuclear Facility D&D, Remainder of Hanford	28.4	22.5	6.0
RL-0041	Nuclear Facility D&D, River Corridor	71.4	73.1	(1.7)
RL-0042	Fast Flux Test Facility Closure	2.4	1.3	1.1
	Total Base:	**466.2**	**504.2**	**(38.0)**

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 November 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 November 2010		
AWA-030-11-004R0	Start Work on High Air Flow Testing, Change Order #74	In early August 2010 CHPRC received RL correspondence 1002002 A requesting CHPRC provide a Change Proposal and start Base work on conducting a high air flow field test to evaluate the potential for removing technetium and other contaminants from the pore water in unsaturated sediments. Due to issues regarding site selection, CHPRC postponed starting this effort until the site of the test could be selected and agreed upon by DOE-RL. The schedule duration for this advanced work authorization is 50 working days, starting November 22, 2010. Any additional scope changes related to Change Order #74, beyond the first 50 days covered by this advanced work authorization will be addressed in a follow-up change request at a later date. There is no change in funding as a result of this change request. There is no change to Key Parameters and Performance metrics and no management reserve is used.
AWA-030-11-005R0	Additional Work Scope Alignment – Contract Mod 095	This change request incorporates additional work scope inadvertently omitted in advanced work authorization AWA-PRC-11-006R0 issued in October 2010. Specifically, this change request documents a Plateau Remediation contract change as directed by RL in RL letter #10-PRO-0214, Sally A. Sieracki, RL, to J. G. Lehew III, CHPRC, "Contract No. DE-AC06-08RL14788 – Modification 095, Change Order #54," dated April 1, 2010, and incorporates this change into the PRC Baseline and earned value management system for November 2010 report processing. This AWA covers a five month period of fiscal year (FY) 2011, the period October 25, 2010, through March 30, 2011. This change request is processed to allow work to be performed in the five month period of FY 2011 while Change Proposal #030.039 is under preparation for the Tentative Agreement. As such, it includes the following elements: (1) Incorporation of additional work scope for the first five months (October 25, 2010 through March 30, 2011) associated with the TPA milestones in the Tentative Agreement, including the deletion of work scope no longer required under the Tentative Agreement, for PBS RL-30, as documented in Tables 1 and 2, (2) In addition to the changes under the Tentative Agreement, this change request corrects the schedule logic in WBS element 30.31.30.02 plus schedule durations and logic in WBS elements 30.31.30.12, 30.31.30.13 and 30.31.30.14. Any work scope changes related to contract modification 095, beyond the five month period of FY 2011, will be addressed in a follow-up change request at a later date. There is no change in funding as a result of this change request. There is no change to Key Parameters and Performance metrics as a result of this change request and no management reserve is used.
BCR-040-11-001R0	Disposition of 6652 PH- Fire Protection Pump House	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-0207, "Contract Number DE-AC06-08RL14788 – Disposition of the 6652 PH-Fire Protection Pump House", J. C. Connerly, RL, to J. G. Lehew III, CHPRC, dated September 22, 2010. The new PMB work scope removes the diesel generator, generator pump, pump controls, associated piping and piping systems in both rooms of the 6652-PH and includes sealing all previous

Change Request #	Title	Summary of Change
		penetration openings. This scope is performed in fiscal year (FY) 2011. No additional funding, or use of reserve funding, is required as a result of this change request. No management reserve is used.
BCR-030-11-001R0	*100-HR-3 Bioremediation Revisions per TPA CN M-16-09-10 and Admin Updates*	There is no change to Key Parameters and Performance metrics as a result of this change request. There is no change to funding and no use of management reserve. There is no change to contract scope as a result of this change request. The primary change to the performance measurement baseline (PMB) scope by this change request is to replace the full scale bioremediation facility (capital GPP) with a CENTRC skid-based bioremediation system for hot-spot bioremediation at the 100-D North Plume and the 100-H locations. Other changes are made, such as changes associated with TPA Change Notice M-16-09-10 (i.e., deleting the preparation of the IROD amendment and the RDR/RA work plan).
BCR-030-11-003R0	*ZP-1 Equipment Acquisition & PMB Scope Modification*	This change request deletes two activities under work breakdown structure (WBS) 30.23.03.01, "ZP-1 Remedial Actions – Interim", in fiscal year (FY) 2011 related to the procurement of materials and the installation of a Baker Tank to the ZP-1 Interim Pump and Treat System. This change request also realigns one activity under WBS Element 30.23.03.01, "ZP-1 Remedial Actions – Interim", to FY 2012 related to performance optimization of the new 200 West Area Ground Water Treatment Facility. Earlier assumptions were made that the 200 West Area Groundwater Pump-and-Treat System would start acceptance testing prior to the end of FY 2011. Since acceptance is now planned to start October 1, 2011, performance optimization can not start until FY 2012. This change request also incorporates the purchase of additional equipment required to support the operations of the new 200 West Area Groundwater Pump-and-Treat System not included in the original estimate. This new equipment is required to be purchased prior to the startup of the new pump-and-treat system since it is required for day to day operations. No additional funding is required as a result of this change request and no management reserve is used. There is no change to the ZP-1 ARRA key performance and parameters as a result of this change request.
BCR-PRC-10-048R0	*WBS Restructure of Waste Sites by Area RL-41*	There is no change to contract scope as a result of this change request. However, performance measurement baseline scope is transferred to new work breakdown structure elements as identified in this change request. This change request is prepared as discussed in a meeting held with RL staff on June, 30, 2010, and re-structures the current work breakdown structure (WBS) for Project Baseline Summary RL-41 to reflect the actual manner in which waste sites will be remediated. It is important to note that this change request does not change resource budgeted units or ARRA/Base funding sources. No additional funding is required as a result of this change request and no management reserve is used. There is no change to ARRA Key Parameter and Performance metrics as a result of this change request.
BCRA-PRC-11-005R0	*RL-13 Capital Equipment Adjustments*	The current work breakdown structure (WBS) element 013.09.02.01.01 has 7 Capital Equipment Not Related to Construction (CENRTC) procurement activities for different types of capital equipment. CHPRC Finance is requesting that a separate CAPN, and corresponding WBS element, be established for each purchase order item. This administrative change request accommodates the Finance request and establishes seven (7) new WBS/CAPN elements. The resource budgeted units for all capital equipment items remains the same (no change in resource units). There is no change to budget for the fiscal years affected by this change request and no management reserve is used. There is no change in earned value

Change Request #	Title	Summary of Change
		methodology and no change to metrics.
BCRA-PRC-11-007R0	*Tri-Party Agreement M-91 Milestone Changes RL-13*	This Administrative change request incorporates the recently approved TPA M-91 milestones into the PRC Baseline schedule for Project Baseline Summary (PBS) RL-13 consistent with TPA Change Number M-091-09-01, approved by DOE-RL, the Environmental Protection Agency (EPA) and the Washington State Department of Ecology on September 15, 2010. The scope of this change request adds 30 new TPA milestones, deletes 22 obsolete TPA milestones, and revises 2 other TPA milestones applicable to the PBS RL-13 schedule. There is no change in contract scope or performance measurement baseline (PMB) scope as a result of this change request. There is no change to the budget by fiscal year (i.e., no change to resource budgeted units) as a result of this change request and no management is used.
BCRA-PRC-11-008R0	*General Administrative Changes for November 2010*	This administrative change request incorporates changes to the PRC Baseline as identified below: 1. Changes the CEIS database as noted 2. Changes P6 schedule coding for Performance Based Incentives (PBIs) is adjusted to identify "Approved" versus "Draft" PBIs through the use of a PBI Global Code. 3. Project Baseline Summary (PBS) RL-30 is aligning ten activities to the correct PBI milestone with the proper code in the PRC Baseline. 4. Project Baseline Summary (PBS) RL-40 is coding two (2) PBI milestones into the PRC Baseline. 5. Project Baseline Summary (PBS) RL-40 is deleting three (3) draft PBIs, and associated logic ties, from the PRC Baseline. 6. General HPIC changes as identified in Attachment 6, which also includes the WBSs affected. 7. Update P6 schedule code fields to reflect the current Project Control Specialist to the activities in the file. There is no change to budget or schedule durations.

Overall the contract period PMB budget is ***reduced*** $5,875.2K in November 2010. There is no use of management reserve in November 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 November 2010 is summarized by fiscal year in the tables below (negative number represents reduction):

November 2010 Summary of Changes to Estimated Contract Price

	FY 2009	FY 2010	FY 2011	FY 2012	FYs 2009-2013	FYs 2014-2018
October 2010 Estimated Contract Price						
PMB	653,426	960,017	1,009,552	678,583	3,905,928	2,499,994
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***	***1,110,497***	***749,161***	***4,230,986***	***2,679,723***
Change by Funding Source to Estimated Contract Price in November 2010 (9 BCRs)						
PMB						
ARRA						
All ARRA WBSs	0.0	0	-247	0	-247	0
Base						
All Base WBSs	0	0	-604	-1,528	-5,628	0
Change to PMB	***0***	***0***	***-851***	***-1,528***	***-5,875***	***0***
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***	***-851***	***-1,528***	***-5,875***	***0***
November 2010 Estimated Contract Price						
PMB	653,426	960,017	1,008,701	677,055	3,900,053	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***	***1,109,646***	***747,633***	***4,225,111***	***2,679,723***

Changes to/Utilization of Management Reserve in November 2010

		FY 2009	FY 2010	FY 2011	FY 2012	FY 2009-2013	FY 2014-2018
Management Reserve (MR) - 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***
Changes to/Utilization of Management Reserve in November 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 November 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 FY18	
10/01/08 thru 11/30/2010								Planned Subcontracting*	$2,524,483,195
Contracts + Purchase Orders + Pcards								Contract-to-Date Awards =	$1,523,829,063
Reporting Classification	ARRA ($)	ARRA %	Non-ARRA ($)	Non-ARRA %	Total ($)	Percent of Total	Goal (%)	Balance Remaining to Award =	$1,000,654,132
								Goal Award ($)	Bal. to Goal ($)
SB	$356,534,587	55.51%	$391,732,504	44.44%	$748,267,091	49.10%	49.30%	$1,244,570,215	$496,303,124
SDB	$65,589,472	10.21%	$74,491,564	8.45%	$140,081,036	9.19%	8.20%	$207,007,622	$66,926,586
SWOB	$76,871,620	11.97%	$77,279,439	8.77%	$154,151,059	10.12%	6.50%	$164,091,408	$9,940,349
HUB	$10,696,673	1.67%	$13,828,590	1.57%	$24,525,263	1.61%	3.20%	$80,783,462	$56,258,199
VOSB	$54,900,452	8.55%	$29,633,649	3.36%	$84,534,102	5.55%	2.00%	$50,489,664	($34,044,438)
SDVO	$10,349,415	1.61%	$9,976,992	1.13%	$20,326,407	1.33%	2.00%	$50,489,664	$30,163,257
NAB	$8,045,261	1.25%	$5,778,957	0.66%	$13,824,218	0.91%	0.00%	**10-year subcontracting projection*	
Large	$184,563,654	28.73%	$274,957,111	31.19%	$459,520,766	30.16%	0.00%		
GOVT	$55,095	0.01%	$976,545	0.11%	$1,031,641	0.07%	0.00%	PRC clause H.20 small business (SB) requirement:	
GOVT CONT	$101,085,892	15.74%	$210,292,235	23.86%	$311,378,127	20.43%	0.00%	≥17% of Total Contract Price performed by SB	
EDUC	$2,669	0.00%	$85,498	0.01%	$88,167	0.01%	0.00%	Total Contract Price:	$5,347,694,180
NONPROFIT	$31,758	0.00%	$3,376,966	0.38%	$3,408,724	0.22%	0.00%	17% requirement:	$909,108,011
FOREIGN	$28,080	0.00%	$93,757	0.01%	$121,837	0.01%	0.00%	Awarded:	$748,267,091
Total	$642,301,736		$881,527,328		$1,523,829,063			Balance to Requirement:	$160,840,920

Notes:

1. Performance through November 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 ($1.5B) that reaching small business goals would require very large new transactions. Forty-nine percent of awards have been made to small businesses with over 56% of ARRA awards to small businesses.
2. ARRA-funded awards have accounted for 42% of all actions placed since contract inception.
3. Over 94% of the total dollars arise from service and staffing Contracts and Contract amendments with four percent of the dollars arising from P-Card purchases and the balance from purchase orders for materials and equipment.
4. This report excludes blanket contract values which are only estimates and not used for payment obligations.
5. Data is summarized by business categories (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