CH2MHILL
Plateau Remediation Company

Monthly Performance Report

J. G. Lehew
President and Chief
Executive Officer

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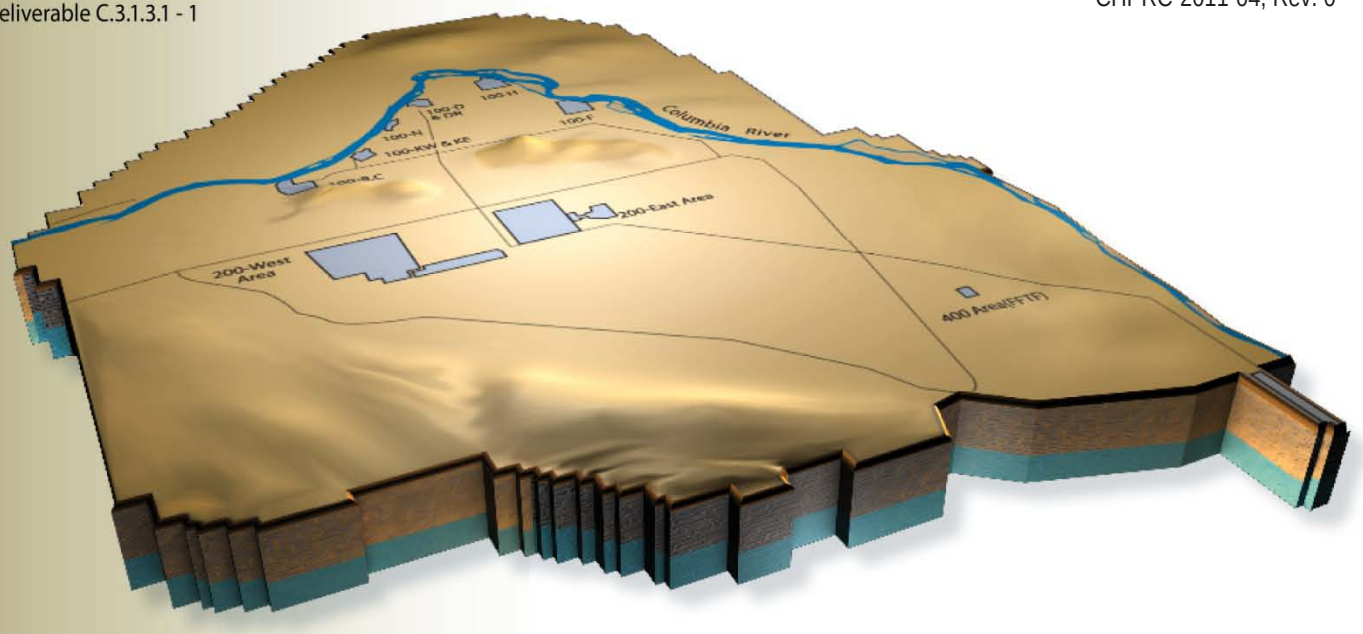

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EXECUTIVE SUMMARY

HX Groundwater Treatment Facility

The Engineering, Projects and Construction (EPC) Project is putting the finishing touches on the 100-HX Groundwater Treatment Facility in preparation for plant acceptance testing this summer. Construction of the 200 West Groundwater Treatment Facility continues and is approximately 63 percent complete.

Since activation of the new 100-K Area Water Treatment Facility in late March, the Decommissioning and Demolition (D&D) Project has begun demolition of more than six buildings in the original K East and K West water system – 183.4-KE and 183.4-KW Clearwells, 183K Potable Water Treatment Plant, 183.1-KE Headhouse, and 183.5- and 183.6-KE Lime Feeders – and the team is about to begin demolition of the 183-KE Sedimentation Basins.

The Soil and Groundwater Remediation Project (S&GRP) is more than halfway to the goal of treating 700 million gallons by the end of September 2011 with all the pump-and-treat facilities combined having treated more than 450 million gallons of contaminated groundwater in fiscal year 2011.

The Plutonium Finishing Plant (PFP) Closure Project team continues to make safe, deliberate progress. The team of more than 700 people achieved more than 1.4 million hours without a lost-time injury. They also hit another milestone in their project safety challenge by working 90 days without a recordable injury or Occurrence Reporting and Processing System reportable event in several categories.

PFP workers dress for hydro-fluoride scrubber cell entry

MLLW shipment to Tennessee

The Waste & Fuels Management Project (W&FMP) completed shipments of reactive mixed low-level waste (MLLW) for recycling. The waste was shipped from the Central Waste Complex (CWC) to Tennessee. The shipments were the last of this legacy mixed low-level waste stream from CWC inventory. Historically, reactive waste (i.e., sodium metal) has had little treatment capacity in the U.S. Department of Energy Complex and at commercial treatment facilities. Hanford's contract with IMPACT Services for the recycling of the sodium metal resulted in a cost effective and innovative disposition option.

Focus on Safety

The President's Zero Accident Council (PZAC) in April was conducted at the Soil & Groundwater Remediation Project. The "Spring into Action" theme of PZAC was punctuated by three primary messages:

- Housekeeping
- Fire Prevention
- Environmental Management of Yard Waste

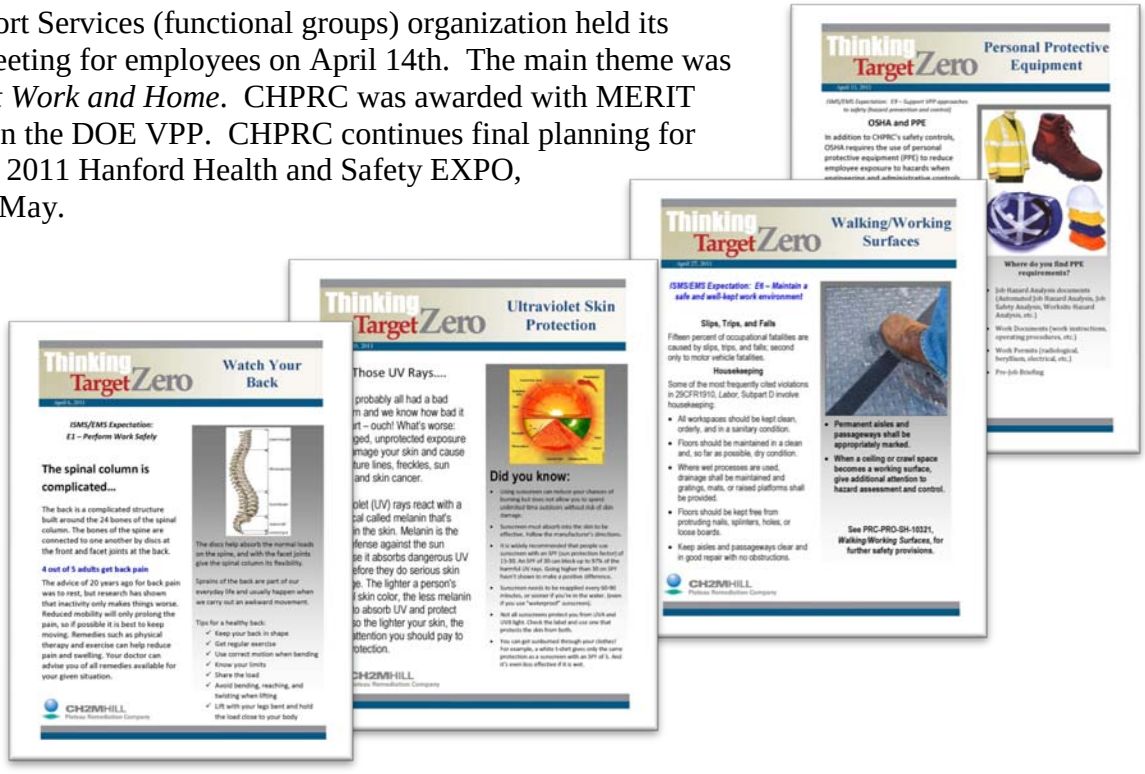
The CHPRC injury and illness statistics were discussed, including analyses and the lessons learned from four recordable injuries. During the review of statistics, the presenter engaged the audience in an interactive give and take on the multiple injury prevention techniques and safe practices discussed during the PZAC meeting. A fun, fact-filled history lesson on the development and purpose of the Voluntary Protection Program (VPP) was given and two employees were recognized for aiding an off-site vehicle accident victim.

Thinking Target Zero topics for April included:

- Watch Your Back
- Personal Protective Equipment
- UV Skin Protection
- Walking/Working Surfaces

The Weekly Safety Tailgate included timely topics such as vehicle and traffic safety, ladder and stairway safety, fall hazards, Beryllium awareness and medical clearance, environmental/recycling, human performance improvement tools, reporting emergencies, work management process improvement, stress management, Hanford Site snakes and birds, the integrated corrective action plan hazardous energy control, and injury and close call summaries.

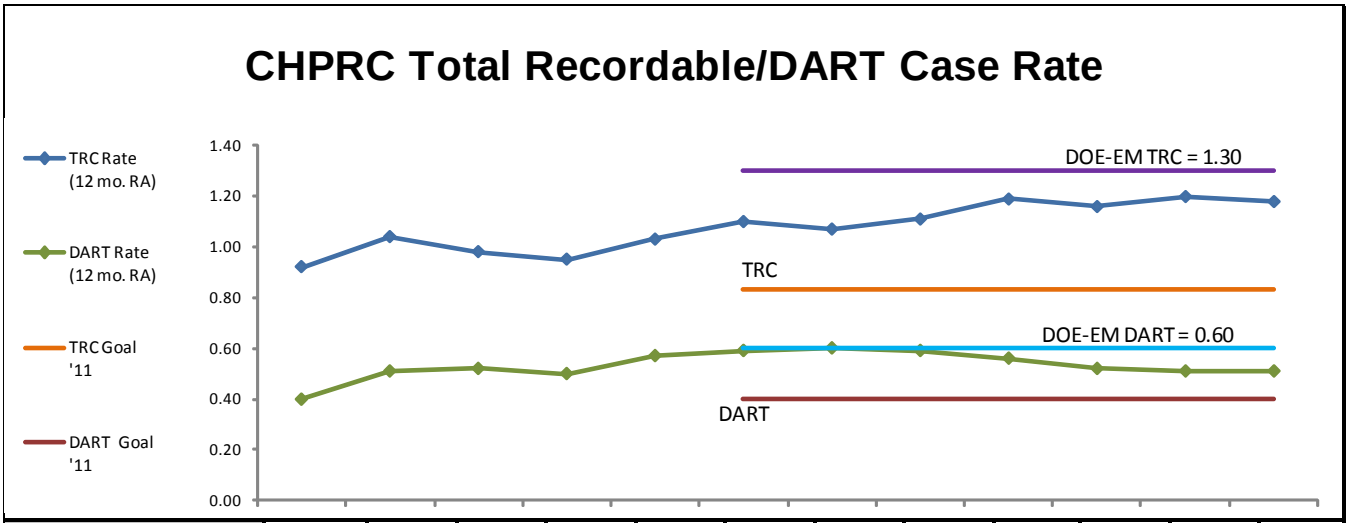
The CHPRC Support Services (functional groups) organization held its Monthly Safety Meeting for employees on April 14th. The main theme was *Electrical Safety at Work and Home*. CHPRC was awarded with MERIT recognition status in the DOE VPP. CHPRC continues final planning for participation in the 2011 Hanford Health and Safety EXPO, scheduled for mid-May.



TARGET ZERO PERFORMANCE

April 2011

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

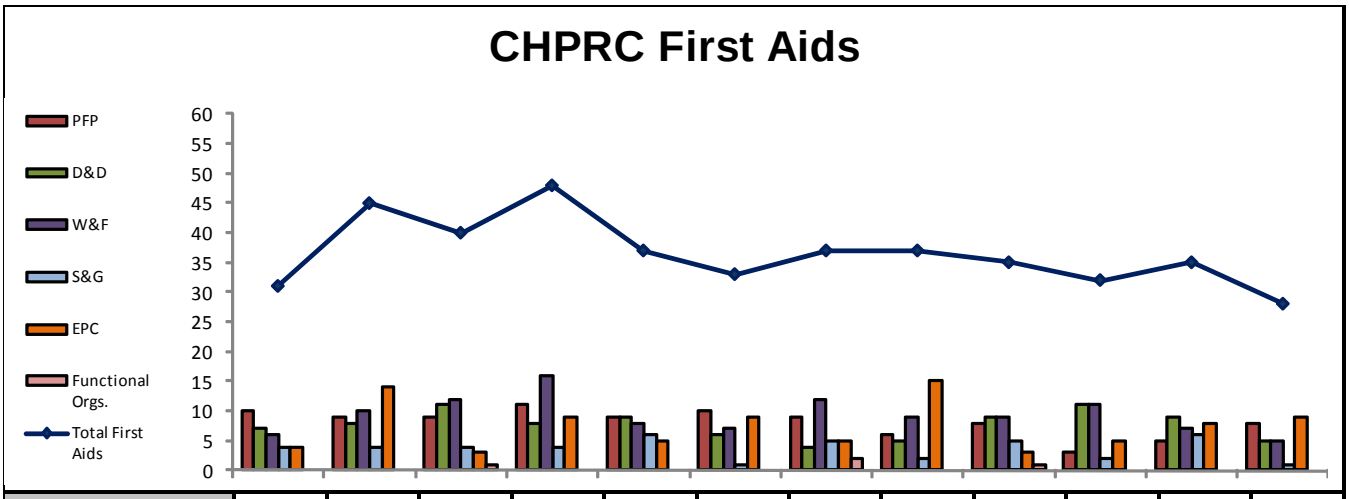


	May-10	Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11	Feb-11	Mar-11	Apr-11
PFP	0	2*	0	0	3	2*	0	0	0	0	0	0
D&D	0	2*	1	1*	2	2*	1*	3	3*	1	2*	0
W&F	0	3	1*	0	2	0	1	0	1*	0	1	1
S&G	0	0	0	0	0	0	1*	0	2	0	0	1
EPC	1*	0	0	1	0	1*	0	2	0	1	2	1
Functional Orgs.	0	1	0	0	0	0	0	0	0	0	0	0
Recordable Cases	**1***	**8**	**2***	**2**	**7**	**5***	**3***	**5**	**6***	**2**	**5***	**3**
DART Cases	**1***	**5***	**1**	**1***	**3***	**2***	**2***	**2***	**0**	**0**	**3***	**1**
TRC Rate (12 mo. RA)	**0.92**	**1.04**	**0.98**	**0.95**	**1.03**	**1.10**	**1.07**	**1.11**	**1.19**	**1.16**	**1.20**	**1.18**
DART Rate (12 mo. RA)	**0.40**	**0.51**	**0.52**	**0.50**	**0.57**	**0.59**	**0.60**	**0.59**	**0.56**	**0.52**	**0.51**	**0.51**

Total Recordable Injury Case (TRC) Rate – The 12-month rolling average TRC rate of 1.18 is based upon a total of 49 recordable injuries for the period. There were three Recordable cases in April. One case updated to Recordable from March 2011. There are currently two cases under review requiring additional information.

Days Away, Restricted or Transferred (DART) Workdays Case Rate – The 12-month rolling average DART rate of 0.51 is based upon a total of 21 cases (12 Days Away, 9 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.



	May-10	Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11	Feb-11	Mar-11	Apr-11
PFP	10	9	9	11	9	10	9	6	8	3	5	8
D&D	7	8	11	8	9	6	4	5	9	11	9	5
W&F	6	10	12	16	8	7	12	9	9	11	7	5
S&G	4	4	4	4	6	1	5	2	5	2	6	1
EPC	4	14	3	9	5	9	5	15	3	5	8	9
Functional Orgs.	0	0	1	0	0	0	2	0	1	0	0	0
Total First Aids	**31**	**45**	**40**	**48**	**37**	**33**	**37**	**37**	**35**	**32**	**35**	**28**

First Aid Case Summary – Twenty-eight first aid cases reported in April. The biggest contributors were 14 sprains, strains and/or pains, seven abrasions or bruises from contact with objects. Special notice should be given to the four first aid cases where employees reported eye issues. Only one of the first aids was from slips/trips/falls, much improved from previous months. Of the 14 sprains, strains, and/or pains, most resulted from awkward positions, motion, or overexertion.

PROGRAM SUMMARIES

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

During the month of April, SHS&Q continued its active involvement in improving the Chronic Beryllium Disease Prevention Program (CBDPP) re-baselining effort by developing and completing corrective actions. Multiple committees made up of Hanford Site Contractors, Hanford Atomic Metal Trades Council (HAMTC), RL and Office of River Protection, and Beryllium Awareness Group members tackle a variety of CBDPP products, such as the Beryllium Work Permit (BWP), the facility assessment process, and medical clearance protocols. Two products, the BWP and assessment process, reached 60 percent completion and were presented to the contractors, DOE representatives, and affected stakeholders. Members of the DOE-HQ Health, Safety, and Security (HSS) team attended the 60 percent assessment presentation as part of a week-long review of Hanford's Beryllium Corrective Action Plan progress. The HSS team reported they were impressed with the accomplishments of those involved and the open communication between responsible contractors and concerned workers. SHS&Q was proud to not only be a part of the overall effort receiving such high praise, but to have taken the lead on several initiatives.

Work control process improvements continued through the month of April. The process is being revamped, using input from workers, subject matter experts, and field work supervisors to develop the safest, most logical approach to execute daily work. Responsible Manager and gap training classes were initiated to prepare employees for implementation in June 2011.

Radiological Protection continued to support project Hazard Review Boards and work planning mock-up training. This support provides timely feedback to the project Radiological Protection organizations. Radiological Protection Qualification Cards were revised to clarify required reading and prerequisite training. The quarterly CHPRC ALARA meeting was held to status dose projections and goals.

Emergency Preparedness (EP) conducted 16 EP drills in April, including seven operational drills. A third quarter EP Management Assessment was conducted and preparations began for the third quarter RL Evaluated Exercise scheduled for June 2011, at the PFP.

Environmental Program and Strategic Planning (EP&SP)

Environmental Management System (EMS)

All EMS Objectives and Targets are on, or ahead of schedule.

CHPRC participated in April's Earth month by creating an Earth Day poster, an internal video clip, providing information during company employee meetings, print communications and internal web page postings.

A query of the P-Card system was performed to gauge current Pollution Prevention Tracking and Reporting System capacities. The data is being reviewed to further refine the system.

Compliance Inspections and Reviews

The last National Pollutant Discharge Elimination System (NPDES) point source discharge to the Columbia River ended when the flume to the 100K NPDES outfall was severed and plugged with concrete. A letter to EPA requesting termination of the NPDES permit was transmitted on April 25, 2011.

Class 1 Resource Conservation and Recovery Act of 1976 (RCRA) Permit Modification packages for Liquid Effluent Retention Facility (LERF)/200 Area Effluent Treatment Facility (ETF) were delivered to Ecology. The permit will now provide better plant operation consistency measures and include the tank for accepting purge water from trucks and the remainder of the truck load-in building.

The last active CHPRC underground fuel storage tank on the Hanford Site was emptied and removed from the ground at PFP. A site assessment and other work to remove piping and other features required for tank closure will continue in May.

On April 27-28, 2011, RL, Mission Support Alliance, LLC (MSA), Washington Closure Hanford, LLC, Washington River Protection Solutions LLC, and CHPRC conducted the annual Hanford Facility RCRA Permit general inspection of 200 West Area in accordance with the permit.

Business Services

The 2011 Inventory of Sensitive Property and Equipment items continued and is on schedule for completion in July. There are 6,879 items to be inventoried valued at $124 million. To date, 5,710 (or 83 percent) of the items have been accounted for. There have been no reported losses.

In preparation for American Recovery & Reinvestment Act (ARRA) Ramp Down and Workforce Restructuring, Facilities and Property Management is preparing detailed asset profiles for each project that includes analysis of leased and owned facilities, administrative data processing equipment, light vehicles, heavy equipment and equipment rentals. This analysis will assist in efficient ramp down and right sizing of the asset base to accommodate reduced activity levels in fiscal year (FY) 2012. Presentations to each project will be ongoing through May 31 with recommendations being evaluated and tracked by the ARRA Closeout Task Team. Facilities and Property Management is developing a detailed schedule for the removal and return of leased automobiles following work force restructuring.

The procurement group awarded 52 new contracts with a total value of $7.3M, amended 439 existing contracts with a total value of $11.8M, and awarded 451 new purchase orders valued at $1.4M to support Base/ARRA acceleration objectives.

As measured at the end of the first 31 months, CHPRC's procurement volume has been significant; $1.68B in contract activity has been recorded with approximately 49 percent or $829M in awards to small businesses. ARRA funded activity totals 43 percent or $715M of the grand total. This includes 5,011 contract releases, 9,096 purchase orders, and over 160,000 P-Card transactions.

During April, CHPRC met with RL to help assess concerns raised about contractor DOT transportation services. The resulting corrective action and a question raised about contractor chemical management were addressed by updating and issuing changes to PRO-123, Attachment 5. In addition, two BTR notices addressing these and other topics were distributed to the BTR mailing list of over 500 BTRs, managers and support organization personnel.

Procurement has been assisting EP&SP in updating queries and reports in support of Affirmative Procurement goals. The new reporting processes are gathering more detailed information about purchased items as well as opportunities for improving Affirmative Procurement performance. Feedback from EP&SP has been very positive and we are continuing to improve the processes and reports.

Enhancements were put into production in PRC Material Services System (PRCMSS) resulting in time-saving steps for Material Coordinators and other P-Card holders.

October 2010 P-Card file documentation has been reviewed, scanned, and uploaded into the Integrated Document Management System.

P-Card Administration has been working with Internal Audit to provide documentation on preliminary findings for IA11-02 and IA11-10.

Prime Contract and Project Integration

The new Contract Compliance and Change Management organization was established this month to assist in improving CHPRC's integration of the administration of the Plateau Remediation Contract (PRC) with change order management and preparation. Also included in the scope of the organization is estimating support to the projects and functional organizations.

Contract Compliance and Change Management arranged and participated in a series of initial and follow-on fact-finding meetings with RL in support of the negotiations to definitize/close open change orders #18 (300 Area Retention Transfer System), #20 (DOE Order 450.1A and 430.2B), #54 (Central Plateau Regulatory Strategy), #73 (Revision of Non-Radioactive Background Calculations), #83 (Beryllium Program Interim Actions), #92 (Remediate Waste Site 100-K-63), #114 (100-HX Pump-and-Treat System), and #120 (100-KR-4 Pump-and-Treat Expansion) which were incorporated into Modification 152 to the PRC; and change order #10 (TRU Certification Program) which was incorporated into Modification 162. Fact finding meetings with RL were arranged in support of negotiations to definitize/close change orders #9 (Sludge Treatment Project) and #30 (200-ZP-1 Operable Unit Operations and Maintenance).

The RL sponsored KPMG audits of the CHPRC change proposals responding to change orders #9, (Sludge Treatment Project), #30 (200-ZP-1 Operable Unit Operations and Maintenance), and #95 (Central Plateau Strategy) were completed. Change Management was responsible for developing and providing to KPMG responses to the associated findings and the required management representation letters. The estimating staff is updating the change proposal estimates to provide updated cost for inclusion in negotiations with RL.

Field work was completed and the draft of the final report prepared for a management assessment of the effectiveness of CHPRC PRC change management processes and deliverables. The assessment target was selected due to challenges experienced to consistently prepare contract change proposal packages judged by RL and the assigned audit agencies to fully comply with the applicable Federal Acquisition Regulations and Cost Accounting Standards. The assessment identified and documented where deficiencies and opportunities for improvement exist and identified proposed corrective actions to address them. RL was briefed on the results of the assessment and provided an opportunity to provide feedback prior to issuance of the final report.

During April, Prime Contracts received and processed six contract modifications (numbers 111, 152, 155, 157, 159 and 162) from RL. The Correspondence Review Team reviewed and determined distribution for 34 incoming letters and the Prime Contract Manager reviewed 50 outgoing correspondence packages.

Two new change proposals were initiated: RL requested a new change proposal, Change Order 145, for the Hanford Site Chronic Beryllium Disease Prevention Program (next phase). Efforts were also initiated to provide a change proposal for Transuranic Waste Drum Venting, requested in Change Order 139.

CHPRC continued the tasks associated with implementation of the Timberline estimating software including the documentation of steps required for implementation, identification and creation of standard templates for repetitive site work, and software training for cost estimating staff.

Engineering, Projects and Construction (EPC)

Central Engineering (CE) participated in a DOE-HQ led assist visit review of the Savannah River Mixed Oxide Processing Facility. The review team consisted of senior DOE staff and select contractor individuals. The review is a part of the enhanced reviews of major Environmental Management (EM) projects being conducted by the Department of Energy. Team members reviewed a wide variety of topical areas and provided recommendations to the Shaw/AREVA Architect-Engineering team.

CE chaired the semi-annual Energy Facilities Contractors Group Engineering Practices Working Group meeting in Washington D.C. April 19-20. Presenters ranged from the DOE-EM Chief of Nuclear Safety to the Manager of Health, Safety, and Security, to a Defense Nuclear Facilities Safety Board (DNFSB) Staff member, to several contractor Chief Engineers and key Engineering Managers. Full meeting information/minutes are posted at http://www.efcog.org/wg/ep/index.htm.

CE continued to chair the Conceptual Design Review and provided support of proposal review and Review Comment Record sign-off on Request for Proposal 229377, *Preliminary/Final Design of WESF K1/K3 Exhaust upgrades*. The Conceptual Design Review Report was published. Modifications to the Functional Design Criteria have been published based on comments provided during the Conceptual Design Review.

CE is participating with a DOE-HQ team in the update & revision of DOE-STD-1020-2002, *Natural Phenomena Hazards Design and Evaluation Criteria for DOE Facilities*. The proposed revision will be DOE-STD-1020-2011; same title, and will incorporate the seismic requirements defined in DOE-STD-1189.

The KE Reactor Core Removal Project (KERCRP) Preliminary Design Review Report (DD-49292) was published on April 7, 2011. CE chaired the KERCRP Preliminary Design Review and provided Subject Matter Experts to the review team.

CE completed the last action from RL Surveillance S-10-SED-PRC-017, *CHPRC Welding Program*. The last action was the installation of temperature monitoring/controlling instrumentation onto the Low

Hydrogen Filler Material storage oven. CR-2010-1118 was closed and concurrence documentation forwarded to RL for acceptance.

CE is assisting in the resolution of the Soil & Groundwater Remediation Project electrical distribution racks with insufficient electrical (National Electrical Code [NEC]) working clearance. A Corrective Response action is being written for projects to correctly install racks and will include a recommendation for future projects on how to design compliant racks.

CE is serving on the Management Assessment Team for the Management Assessment of the U-Canyon Northern Electrical and Piping Galleries and the Canyon Cells Grouting. The grouting for the Electrical and Piping galleries was completed and an assessment plan for the grouting of the cells was developed.

Communications

Communications developed a presentation on the 200-PW-1, 200-PW-3, 200-PW-6, and 200-CW-5 Operable Units Proposed Plan to support the upcoming Hanford Advisory Board (HAB) River and Plateau Committee.

CHPRC completed the communication plan for Integrated Safety Management System (ISMS)/Environmental Management System (EMS) expectations with the workforce in response focusing on demonstrating ISMS/EMS behavior and accountability.

CHPRC continued development of presentation and outreach materials to support the June 7, 2011 Deep Vadose Zone Technology Information Exchange.

A notification was developed to inform stakeholders who commented on the 200-East Area Buildings/Structures Engineering Evaluation and Cost Analysis that an Action Memorandum for the document is available.

Communications assisted in the preparation and coordination of the 2011 Hanford Public Tours, which included a tour of 100-K Area where CHPRC is performing cleanup.

CHPRC provided resource support to RL for kickoff event announcing Pacific Northwest National Laboratory Deep Vadose Zone field research initiative April 29. The event was held at the Pacific Northwest National Laboratory and featured special guest, EM Chief Scientist Mary Neu.

Project communications included the launch of a new participation-based D&D Project Safety Challenge between project areas; posters and a luncheon celebrating the PFP team's safety accomplishments; planning of a safe driving training day for S&GRP; and W&FMP employee messages about the VPP assessment, management expectations for procedure compliance and a congratulatory message from the project's Federal Project Director.

Communications supported two RL tours of PFP, an RL Facility Representative and project manager briefing of visiting legislative aide with posters depicting building-by-building progress of 100K Area demolition in three areas – 105KE Reactor building, the 183KW and 183KE water treatment systems – since 2008.

For the Nonradioactive Dangerous Waste Landfill/Solid Waste Landfill Environmental Assessment, CHPRC incorporated a second round of Contractor, Regulator, and RL comments, provided Public Comment Period Fact Sheet to RL, and revised the Public Involvement schedule to provide guidance for release of the Environmental Assessment.

For the 200-UP-1 Proposed Plan, CHPRC drafted two 30-day advance notice documents and provided them to contractor personnel for review.

For the 200-SW-2 (Radioactive Solid Waste Burial Grounds) Remedial Investigation/Feasibility Study Work Plan, CHPRC drafted the RL response to HAB Advice #243.

A Public Involvement Specialist attended planning sessions for, reviewed, and readied the RL draft of the Open Dialogue with the Tribal Nations presentation.

To celebrate Earth Day and Month, Communications produced an Earth Day poster, *InSite* clip, intranet banner, weekly slides in the Safety Tailgates, and an Earth Day/Environmental Management System special edition of *On the Plateau* showcasing CHPRC's projects' accomplishments in reducing environmental impacts. The issue was posted to CH2M HILL's social media sites.

Communications about workforce restructuring included an *InSite* interview with Kathy King from the computer Services Corporation (CSC) Hanford Occupational Health Services and an *On the Plateau* article with Candice Bluechel from WorkSource, both featuring resources and services available to employees.

Videos produced in April included three episodes of *InSite* and five Recovery Act videos highlighting revegetation of the BC Control Area, grout testing at U Canyon, demolition of an underground water storage facility in the 100K Area, grouting of contaminated railcars, and glovebox removal at the PFP Analytical Laboratory.

Public Affairs supported the RL railcar preservation promotional campaign announcing scheduled shipment of two locomotives and two railcars to B Reactor. The story was picked up by *Tri-City Herald* as well as local and regional TV outlets.

CHPRC coordinated *Weapons Complex Monitor* coverage of a 284-West Powerhouse near miss incident that received coverage April 8 and a response with RL of project status on Hanford S&GRP.

The April issue of the DOE *EM Recovery News* newsletter featured a story about CHPRC helping the Recovery Act workforce build skills and experience for future opportunities, a profile on a small business owner, and CHPRC's YouTube record-setting demolition video.

Public Affairs supported a DOE *EM Recovery News Flash* about revegetation of the BC Control Area. For consideration in future issues of the newsletter, CHPRC submitted stories about major projects completed with Recovery Act funds, next generation transuranic waste retrieval and a profile on a construction Recovery Act hire.

Issue 7 of the *EM Update* featured a story on progress in the deep vadose zone desiccation testing.

PROJECT SUMMARIES

RL-0011 Nuclear Materials Stabilization and Disposition

The Plutonium Finishing Plant (PFP) Project continues to maintain PFP facilities compliant with authorization agreement requirements. The project continued with no lost work days or other recordable injuries in April after attaining more than 1.4 million work hours without a lost workday injury. The project also completed 90 days without a reportable event involving hazardous energy control, radiological control or conduct of operations. Seven minor first aid injuries were experienced during the month.

ARRA

Removal of plutonium-contaminated process equipment continued as a top priority in readying the PFP Complex for demolition, with a particular focus on removal of gloveboxes and associated piping and ductwork from the process, lab, and vault areas. Glovebox Deactivation, Decommission, Decontamination, and Demolition is complete in the backside vault rooms, Standards Laboratory, Analytical Laboratory, and the Radioactive Acid Digestion Test Unit (RADTU). A total of 113 gloveboxes have been removed to date with Recovery Act Funds. Of these, 101 have been shipped out of PFP for treatment or disposal and 12 have been set aside and staged for size reduction and disposal as transuranic (TRU) waste. Two more sections of the 70-foot long HA-28 conveyor glovebox were shipped to an offsite treatment facility for size reduction. Size reduction of one glovebox, HA-22B, is in progress.

The 2736Z/ZB complex vault team has size reduced for disposal all the normal glovebox exhaust ductwork planned to be removed. Unexpected high levels of contamination were found inside one short section of ductwork expected to remain in place for demolition. During duct contamination verification couponing in the 2736ZB facility, contaminated piping was discovered and removed to allow for open air demolition. The CHPRC Deactivation and Demolition (D&D) Project mobilized heavy equipment to be used during upcoming demolition of the vault complex and two adjacent ancillary facilities.

In the Plutonium Process Support Laboratory (PPSL), four gloveboxes remain. Gloveboxes 188-1, 179-6 and 179-9 are targeted to complete in early May. Glovebox 179-1 is scheduled to be removed by the end of June.

In the Remote Mechanical A (RMA) and Remote Mechanical C (RMC) Lines, much of the glovebox work was suspended due to a duct-level contamination event. In the RMA Line, gloveboxes HA-19B1 and B2 were completed and are ready for transfer to waste operations. Three gloveboxes were dispositioned in place in the former RADTU area and will be disposed at the Environmental Restoration Disposal Facility (ERDF) with building debris during demolition. All of the remaining connections between glovebox HA-46 and the 232A hydrogen fluoride scrubber cell were isolated, and the glovebox was removed from building ventilation.

The 242Z Americium Recovery Facility D&D team began removing and packaging the TRU waste generated from WT-4 and WT-5 gloveboxes during in-situ size reduction activities.

The process vacuum piping team continued to support the 2736Z/ZB complex vault team; therefore, the total process vacuum piping removed remained at 1,210 feet. The process transfer line removal crew removed only 15 feet this period, for a total of 491 feet. The crew spent the majority of the month completing work to recover from a duct-level contamination event. At fiscal month end, the floor areas had been surveyed clean, air samples showed no detectable airborne contamination, and only a small area on a vertical duct remained to be decontaminated. Insulator crews removed 112 feet of asbestos

from piping and ductwork, bringing the total linear footage completed at PFP with Recovery Act funds to 13,876 feet.

As the pace of D&D work has accelerated at PFP, so have waste generation rates. CHPRC has now shipped approximately 3,034 cubic meters of waste from PFP with support from Recovery Act funds, including 2,484 cubic meters of low level and mixed low level waste, 527 cubic meters of TRU waste, and 23 cubic meters of nonradioactive waste.

The two trailer-mounted transformers, to support temporary power distribution systems, were installed. All Halon fire suppression systems have been removed from PFP facilities and shipped as excess property to a Department of Defense repository in Richmond, Virginia. Work has started on a Waste Route Platform Extension for door 107, this will allow for ease of removal of waste from the 234-5Z Duct Level.

Base

236Z Plutonium Reclamation Facility – Two Standard Waste Boxes (SWBs) containing the segments of pencil tank assembly 17 (Tank 17) were shipped to the CWC. Preparations for the transfer of the pencil tank counter balance to the canyon were completed.

A new field work team has been assigned to work on the Miscellaneous Treatment (MT) gloveboxes. Walkdowns were conducted with the team, engineering, and the planner to discuss the approach to the mechanical isolation and the size reduction of the gloveboxes.

RL-0012 Spent Nuclear Fuel Stabilization and Disposition

The Knockout Pot (KOP) subproject continued preparation for the Pretreatment Campaign. Primary equipment components were installed in K West Basin and acceptance testing completed. Following a final walk down, the 105KW Basin Pretreatment Operations Procedure was finalized, and the Readiness Demonstration was completed. The current schedule is to formally declare readiness the last week of April and commence the Pretreatment Campaign early the first week of May.

The KOP Processing System (KPS) hardware required for the KPS Qualification Test was delivered to the Maintenance and Storage Facility (MASF). Construction Forces and MASF personnel are working on equipment installation into the KOP Test Tank. The schedule is to complete installation by April 29th so that equipment can be functionally tested and prepared for the Qualification Test. The Qualification Test is scheduled to commence the week of May 2, 2011.

The Engineered Container Retrieval and Transportation System (ECRTS) subproject issued the draft Control Decision Report for the ECRTS preliminary design. The Integrated (TRL-6) Test continued this month with K West simulant (the first of three simulants planned, the others being K East and Settler Tank). Over 3,700 pounds of simulant were transferred from the engineered containers to the Sludge Transfer Storage Cask (STSC). In addition, progress continues to be made on both the K West Annex Initial Modification and the preliminary design of the K West Annex Final Modification.

The Sludge Treatment Project's (STP) transportation subcontractor issued the final shielding analysis for the transport of K West containerized sludge. The calculated dose rates are well within allowable Fuel-Special Packaging Authorization (F-SPA) transportation conditions. Conclusions from this analysis will be incorporated into the F-SPA checklist for the transport of the K West sludge from K West Basin to T Plant. The draft shielding analysis for the transport of Settler Tank sludge was also issued. It concluded that the calculated dose rates are within allowable F-SPA transportation conditions. CHPRC and the Savannah River National Laboratory Assist Team have completed their reviews of this and comments have been provided to the subcontractor.

The plans for the Decision Support Board (DSB) to evaluate the alternative technologies for Phase 2 treatment of sludge were finalized. Potential attendees were identified and the final agenda was distributed to them and the members of the DSB. The meeting is scheduled for May 9-12 at the Clarion Hotel in Richland. In addition, dry runs of the technical briefing materials have been scheduled for the last week of April to assure both a level of consistency and that the important technical elements for each alternative are clearly presented.

Pacific Northwest National Laboratory provided a letter report which provides analytical results collected to date on the four core samples taken from the engineered container containing K West Settler sludge. The report includes initial results for physical properties, uranium metal, total uranium, radionuclides, plus Waste Isolation Pilot Plant (WIPP) Hazardous Waste Facility Permit and other metals (analyzed by induction coupled plasma optical emission spectrometry). Analyses are being performed consistent with the controlling STP Waste Quality Assurance Project Plan/Sampling Analysis Plan (SAP).

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

The W&FMP focused on delivering safe, compliant performance.

ARRA

Work is nearing completion on a "middleware" utility to provide an accessible, user friendly and comprehensive interface for waste inventory, forecast, and reporting data. MLLW: M-91-42 /435.1– shipped 74 cubic meters (m^3) to processing, (1,151 total under ARRA) and completed 51 m^3 during the month (1,004 total under ARRA); M-91-43 – shipped 63 m^3 to processing (235 m^3 total under ARRA) and completed 24 m^3 during the month (131 m^3 total under ARRA), TRU Retrieval removed 188 m^3 of contact handled (CH)TRU waste from the trenches and shipped 145 m^3 of CH TRU waste and 36 m^3 of Remote Handled (RH) TRU waste. Next Generation Retrieval removed 178 drums (37.0 m^3) and one box (1.0 m^3); completed assay of 73 drums (Gamma Assay), three drums (Passive/ Active Neutron Assay System), and one box (portable assay).

TRU Repackaging completed repackaging of 127 m^3 of TRU waste during the month and TRU Disposition completed 13 TRU-PACT II shipments to the Waste Isolation Pilot Plant (WIPP).

Base

The W&FMP continued maintaining facilities in a safe and compliant condition, Canister Storage Building (CSB) completed "ready to serve" demonstrations on Multi-Canister Overpack (MCO) receipt and MCO Handling Machine operations.

The CWC mobilized and began work on the Navy project to re-grade the route 2S curve; shipped 42 on-site transfers, 425 containers and received 9 shipments, 92 containers.

Liquid Effluent Facilities sent 1.3M gallons of treated effluent to the state-approved land disposal site and continued with Basin 43 Processing Campaign (processed 1.3M gallons).

RL-0030 Soil, Groundwater and Vadose Zone Remediation

ARRA

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

Activity	April		Cumulative	
	Planned	Completed	Planned	Completed
Well Drilling (number of wells) -303	1	0	303	300
Well Decommissioning (number of wells) -280	10	19	221	221
100 DX P&T – Construction/Startup (percent)	-	-	100	100
200 West P&T – Final Design (percent)	-	-	100	100
200 West P&T – Construction (percent)	8	8	63	63
200 West P&T – Testing/Startup (percent)	7	4	59	64

Base

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

- 238 well locations were sampled with a total of 1,077 samples being collected
- 84 aquifer tube samples collected from 29 tubes at 24 locations
- 17.0M gallons groundwater treated by ZP-1 treatment facility
- 18.6M gallons groundwater treated by KX treatment facility
- 8.51M gallons groundwater treated by KW treatment facility
- 9.70M gallons groundwater treated by KR-4 treatment facility
- 8.0M gallons groundwater treated by HR-3 treatment facility
- 0.0M gallons groundwater treated by DR-5 treatment facility. The DR-5 system is being replaced by the DX system.
- 17.2M gallons groundwater treated by DX treatment facility
- 79.01M gallons of groundwater treated total

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

ARRA

Continued Upper Arid Lands Ecology (ALE) closeout paperwork and completed power pole removal.

Grouting of the 221U Canyon facility voids progressed with the successful grout placement demonstration in the north electrical gallery and north piping gallery. Efforts continued in preparation for grouting activities in the remaining areas of the facility. Completed core drilling of remaining penetrations for grout placement inside the canyon. Material has been staged and preparations are underway for construction of the structural grout bulkheads for the rail tunnel.

The 209E facility completed the verification of all tanks as dry and empty. Completed a shipment of Standard Waste Boxes (SWB). Completed removal of the HO-200 Hood and began removal of HO-160.

Continued with demolition of 284E Power House and load-out activities of the 284E Power House.

Continued abatement activities in 284W Power House. Began demolition activities of 284W Crusher House and Conveyor. Cleanup of 106 North Slope debris pile sites continued.

The lift and haul contractor has submitted all tie-down calculations (two of four have been approved by RL), and is preparing for mobilization the first week of May. The shipment of the flatcar to the ERDF was initiated and will complete the first week of May. Preparation (fixing, draining/solidification of the water) of the railcars for shipment to ERDF and B Reactor is complete for all but the 8,000 gallon tank car. The wet grouting is complete. The Shipping Evaluation Checklists and Tiedown Calculations for the three well cask cars were approved by RL. The tank car Shipping Evaluation Checklists are being finalized.

Remediation activities continued in the Outer Zone at BC Control area and Model Group (MG)-1 waste sites. BC Control Area removed approximately 32,500 tons of soil from the stockpile in April.

Base

Planned surveillance and maintenance activities continue. Initial beryllium characterization sampling continues at REDOX, 231Z, and 222T. Beryllium sampling of 291AE was conducted with results showing the work areas of the building as beryllium free.

RL-0041 Nuclear Facility D&D, River Corridor

ARRA

Facilities

Completed resolving comments from the 105KE Reactor Core Removal Project Preliminary Design Review Meeting

Completed all but demolition load-out on the 105KE Reactor above-grade demolition of the West annex

Continued preparations to demolish the 110KW Gas Storage Facility

Completed demolition of the 117KE Exhaust Air Filter Building

Continued characterization of the 181KE River Pump House/1605KE Guard House

Completed above-grade demolition of the 183.1KE Head House

Began and completed demolition of the 183.4KW Clear Well east and west end sections; the center tunnel remains to be demolished.

Began demolition of the 183.4KE Clear Well

Continued asbestos removal preparations in the 190KE and 190KW Main Pump Houses and 165KE Power Control Building

Completed deactivation/cold and dark on 181KE/1605KE, 190KE, and 165KE

Waste Sites

CHPRC provided initial deep push technology (DPT) and logging data briefings to RL in late April. From the data reviewed and the discussions held, a request was made that CHPRC develop a recommendation for additional DPTs and pothole samples to provide additional contamination characterization to the east and west sides of the former discharge chute and the fuel storage basin. This recommendation will be briefed to RL by May 26, 2011.

The Memorandum of Agreement (MOA) for the two 100K Area flood plain waste Sites (100-K-63 and 100-K-64) continue to be supported by CHPRC as RL and the State Historic Preservation Office (SHPO) work to finalize the wording contained in these agreements.

Continued waste site remediation of the below listed RTD sites:

Active Excavation on ARRA Waste Sites and Sub-Grade Structures	April 2011 Tons	Containers
117KE	5,003	235
100-K-53	5,252	245
Monthly Total	**10,255**	**480**
Previous Cumulative (all sites under ARRA)	**110,368**	**6,157**
ARRA Cumulative (FY2009 to Date)	**120,623**	**6,637**

Other

The 105KW Basin heating, ventilation, and air conditioning project equipment is in operation and performing as anticipated.

The 100K Electrical Power Project is finalizing punch-list activities necessary to complete the transition from the existing A-7 yard to the new A-9 yard/substation. Transfer of electrical loads from A-7 substation to the new A-9 yard/substation is being coordinated with MSA Electrical Utilities for early June.

The 100K Water Project placed the potable water system into sustained operations and continued to work punch-list items. The construction contractor was de-mobilized from the site.

Base

Facilities

Continued 105KE Reactor Engineering/Planning activities for the design and construction of the Reactor Building Safe Storage Enclosure to place it in interim safe storage (ISS)

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

Completed deactivation of the 183.2KE Sedimentation Basin and 183.7KE Tunnel and 1908K Outfall Structure

Completed removing the 115KW Gas Recirculation Building asbestos

Waste Sites

Shortly after resuming soil load outs from the 100-K-42 waste site in early April, the project realized that the soils being loaded out were too contaminated to be shipped to ERDF without significant blending (possibly at ratios of two-to-one up to eight-to-one). Given this condition, the load out of soils from 100-K-42 was significantly reduced until a plan can be devised that will allow for an as-low-as-reasonably-achievable (ALARA) approach to this remediation. The path forward for 100-K-42 is directly tied to the recommendation forthcoming on the 105KE Reactor discharge chute and fuel storage basin DPTs and potholing discussed above.

Continued waste site remediation of the below listed remove/treat/disposal (RTD) sites:

Active Excavation on Base Waste Sites and Sub-Grade Structures	April 2011 Tons	Containers
100-K-42	2,386	137
100-K-47	257	13
120-KW-1	8,484	384
1706-KE	2,544	126
1706-KER	3,538	182
Monthly Total	**17,209**	**842**
Previous Cumulative (all sites under Base)	**214,637**	**10,945**
Base Cumulative (FY2009 to Date)	**231,846**	**11,787**

KEY ACCOMPLISHMENTS

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

RL-0011 Nuclear Materials Stabilization and Disposition

- In the RADTU area, Room 235D, gloveboxes 100B, 200, and 300 were painted and separated from building ventilation. The three gloveboxes will be dispositioned in place and will be extracted from Building 234-5Z during facility demolition.
- All scheduled glovebox removal work in A-Labs is now complete. All but the 145-1 glovebox have been physically removed from the lab. The 145-1 glovebox will be removed from the facility at a later date after 234-5Z facility achieves operationally clean status.
- Electrically and mechanically isolated the Underground Diesel Storage tank supporting 2721Z in preparation for demolition.

RL-0012 Spent Nuclear Fuel Stabilization and Disposition

- CHPRC and the Savannah River National Laboratory Assist Team completed their reviews of the first revision of the thermal and gas evaluation for the transport of the K East sludge. Revision 1 of the K East thermal and analysis includes the use of the IP-2 cover that goes over the top of the STSC. The updated analysis shows the IP-2 cover contributes very little to the overall thermal and gas conditions.
- STP briefed the members of the DNFSB earlier this month on three topics: 1) Current status of the project; 2) Response and current plans associated with the December letter discussing the DNFSB staff review of the CD-1 package for ECRTS; and 3) Current status of STP Phase 2 technology evaluations. The Board and staff had several questions but in summary, no new items or specific areas of concern were mentioned.

RL-0013 Waste and Fuels Management Project

ARRA

- MLLW: Shipped 1,386 m^3 and completed 1,135 m^3 to date
- Removed 188 m^3 CH-TRU waste from the trenches and
- Shipped 145 m3 of CH-TRU waste and 36 m3 RH-TRU waste

- Completed repackaging of 127 m^3 of TRU waste
- Completed 13 TRU-PACT II shipments to WIPP

Base

- The CWC shipped 42 on-site transfers, 425 containers and received nine shipments, 92 containers.
- Liquid Effluent Facilities sent 1.3M gallons treated effluent to the state-approved land disposal site and continued with Basin 43 Processing Campaign (processed 1.3M gallons).

RL-0030 Soil and Groundwater Remediation

Activity	April		Cumulative	
	Planned	Completed	Planned	Completed
Well Drilling (# of wells) -303	1	0	303	300
Well Decommissioning (# of wells) -280	10	19	221	221
100 DX P&T – Construction/Startup (percent)	-	-	100	100
200 West P&T – Final Design (percent)	-	-	100	100
200 West P&T – Construction (percent)	8	8	63	63
200 West P&T – Testing/Startup (percent)	7	4	59	64

Base

- 79.01M gallons of groundwater treated total

EPC Projects in Support of S&GRP - ARRA

- 200 West Area Groundwater Treatment Facility –All the major process government furnished equipment have been placed in the six buildings.

EPC Projects in Support of S&GRP – Base

- 100-HX Groundwater Treatment Facility –All tanks (2 influent, 1 effluent, and 2 chemical storage tanks) have been set. All process pumps have been set and anchored. All 27 road crossings have been completed. All software addressing that can be done prior to energizing the buildings and well heads has been completed.

Environmental Strategic Planning:

- Completed DOE/RL-2011-50 "*Regulatory Basis and Implementation of a Graded Approach to Evaluation of Groundwater Protection for the Hanford Site Central Plateau*", Draft A, meeting the Hanford Senior Executive Committee commitment to produce the document

100-BC-5 Operable Unit - Base

- All 100-BC Remedial investigation/feasibility study (RI/FS) field work scope is complete.

100-HR-3 Operable Unit - Base

- The new DX Pump-and-Treat System continued operating at ~400 gallons per minute.

200-BP-5 Operable Unit – Base

- Completed the final design package for the 200-BP-5 Treatability Test extraction system

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 site surveys, equipment decontamination, and site stabilization

- U Canyon Demolition and Cell 30 Disposition
  - Grouting of the 221U Canyon facility voids progressed with the successful grout placement demonstration in the north electrical gallery and north piping gallery.
  - Completed core drilling of remaining penetrations for grout placement inside the canyon
  - Construction of the structural grout bulkheads for the south electrical and piping galleries was completed.
- 209E Project
  - Completed a shipment of SWBs. Completed removal of the HO-200 Hood. Began removal of HO-160 and work planning for demo preparation and HO-240 activities. Completed the tank cutting package; held Hazard Review Board and obtained approval.

ARRA – OUTER ZONE D&D

- BC Controlled Area (BCCA) Waste Site Remediation
  - Continued removal of soil from the stockpile using super dump trucks with approximately 400,000 tons cumulative-to-date of soil removed from BCCA and transferred to ERDF
  - Continued radiological Multi-Agency Radiation and Site Investigation Manual (MARSIM) downpost surveys with localized spot removal. Approximately 30 percent of the MARSIM downpost zones have been completed.
- MG-1
  - Additional depth sampling for site 600-40 was performed in April. Results are anticipated in early May. Post excavation evaluation of samples for waste sites 200-W-33 and 600-218 validated remediation was completed. Initial seeding of 200-W-33 was previously performed in March. Reseeding of waste site 600-218 is scheduled for the fall of 2011.
  - Pipeline 200-W-147-PL sampling validated excavation is complete; backfill activities commenced in April.
  - Waste sites 600-220, 600-281 and 600-282 excavation activities were performed in April. Post excavation sampling is anticipated to occur in May.
  - Waste Site 600-65 investigative sampling was completed; the closure report is being reviewed.
  - Remediation of waste site 216-S-26 excavation is ongoing with an anticipated completion in May.
  - Waste site 600-228 preparations for excavation are in process with excavation anticipated to occur in May.
- ALE D&D
  - Completed Power Pole removal
- NORTH SLOPE
  - Continued 106 Debris Retrieval and Waste Disposal
  - Complete Hanford Reserve National Monument Areas 13 and 18

Base

- Beryllium sampling/characterization continued in REDOX, 231Z, and 222T

RL-0041 Nuclear Facility D&D, River Corridor

ARRA

Facilities

- Work continued on the 105KE Reactor Building Disposition Site Preparation/Phase I Demolition – ISS activities to demolish the East and West Annexes.
- Completed demolition of the 117KE Exhaust Air Filter Building, including additional concrete discovered several feet under the foundation. Completed asbestos removal in the 181KE River Pump House.
- Completed deactivation of the 183.1KE Head House. Completed asbestos removal and above-grade demolition. Began removal of below-grade tanks/equipment in preparation for below-grade demolition, which will be self-performed.
- Completed deactivation of the183.3KE Filter Basin. Samples were taken to determine if concrete debris can be re-utilized instead of being sent to the ERDF landfill.

100K Electrical Power Project:

- Closing out punch list items and coordinating the transfer of loads to the A-9 substation with MSA Electrical Utilities.

100K Water Project:

- Placed the Service Water/Fire Water System into sustained operation.

Base

Facilities

- Completed air-gaps in the 105KE Tunnel. Completed the 115KW Gas Recirculation Building asbestos removal. Desiccant samples were taken to determine the disposal pathway. Demolition will be concurrent with the 117KW Exhaust Air Filter Building and 119KW Exhaust Air Sampling Building, both of which will be deactivated next month as part of the electrical utilities upgrade.
- Completed deactivation of the 183.2KE Sedimentation Basin and completed preparation of the demolition work package. Sampling will be done to ensure the floors may be left in place.
- Completed deactivation of the 183.7KE Tunnel. Sampling will be done to ensure the floors may be left in place.
- Completed deactivation of the 1908K Outfall Structure. Demolition is planned in FY2012.

Waste Sites

- Remaining Site Verification Plans for waste sites 118-KE-2 and 118-KW-2 were sent to RL and EPA for their review and comment.

MAJOR ISSUES

RL-0011 Nuclear Materials Stabilization and Disposition

Issue – Radiological Controls Performance (people, process, procedures) is less than adequate.

Corrective Actions – Multiple actions in-progress to bolster while strengthening the overall program:

- Vacancies filled, additional staff added, significant support from CHPRC Central Radiological Controls
- Expectations set, controls established, programmatic compliance ensured.

Issue – Jurisdictional Decisions

Corrective Actions – Working with HAMTC to convey impacts and discuss implementation.

Issue – Workforce distractions due to Work Force Restructuring, Salary Freeze, and lack of an employee incentive program.

Corrective Actions – Training management and HAMTC Union Stewards on "Coping with Change." Developing a Company sponsored incentive program.

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 – Implement recovery plan: Institute multiple summer shifts to maximize daylight hours and mitigate heat impacts, use staff rotation to extend operational effectiveness, retrieval established as a priority resulting in obtaining required outside resources, deploy additional excavation crew at 12B and complete the 12B ramp, early purchase of material required to remove and overpack waste containers, and implemented actions required to remove drums from 4B Trench 7.

Status – Performance Measurement Baseline and Performance Based Incentive milestones could be at risk.

Issue – TRUPACT II drum feed exhausted by July 2011; U. S Environmental Protection Agency (EPA) approval to CCP to ship solid waste boxes required by July/August 2011.

Corrective Action – EPA Tier 1 approval by July 2011; Evaluating additional drum feed as contingency

Status – EPA Tier 1 audit completed with two Corrective Action Reports

Issue – Competing special nuclear material (SNM) and Am-241 possession limits at Perma-Fix Northwest (PFNW) will restrict some TRUM shipments to PFNW during FY2011

Corrective Action – Establish a priority for waste shipment to PFNW based on Performance Indicator objectives; Actively work with PFNW to reduce turn-around time for waste residing at PFNW; PFNW to determine alternatives that would reduce the overall SNM/Am-241 inventories at PFNW

Status – Priorities established, additional Waste Management Representative assistance provided to PFNW to aid in reducing turn-around time; and the majority of the MLLW dropout drum shipments from 12B and 4B have been shifted to late summer time frame.

RL-0030 Soil and Groundwater Remediation

Issue: The 200W Pump-and-Treat Project is currently forecasting a negative Variance at Completion for RL0030-R1.1 ARRA subproject due to increased ARRA contingent scope and the baseline does not fully account for the corresponding BCWS.

Corrective Action: The ARRA contingent scope will be transferred from the R1.1 to R1.2 subproject in May and BCWS incorporated into R1.2 for the increased scope.

Status: Additional corrective actions are under review.

Issue – During routine groundwater sampling activities, an NCO sampler received a low voltage shock while operating a dedicated electrical well pump. The subsequent investigation determined the network of monitoring wells having dedicated electrical pumps did not meet the NEC standard for grounding all exposed non-current carrying metallic parts that could become energized. A temporary grounding strap has been approved by the NEC authority and has been deployed to the field allowing sampling of some dedicated electric pumps. Sampling with non-electrical pumps and portable electrical pumps is continuing.

Corrective Action – The available pneumatic pumps deployed to the field are being redeployed to most efficiently support near-term sampling needs. Additional pneumatic pumps will be purchased to expand the network of non-electric pumps as appropriate. Wells requiring electrical pumps to support sampling activities will be properly grounded per NEC requirements.

Status – A temporary grounding strap has been approved for use on some monitoring wells with dedicated electric pumps. Grounding design for well heads has been completed. Plant forces work review for bonding work is in preparation. Redeployment of pneumatic systems is underway. Vendor quotes for additional pneumatic pumps have been received and procurement under consideration.

RL-0041 Nuclear Facility D&D, River Corridor

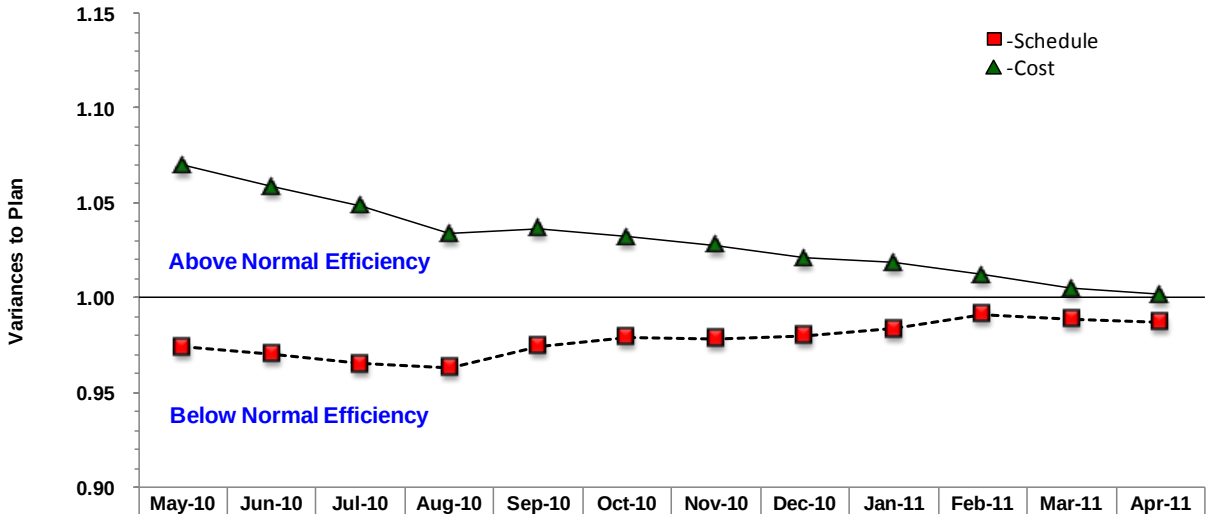
Issue – RL-41 Waste Site Remediation will not be able to complete the remediation work scope tied to ARRA funded waste site 100-K-57 by the end of September 30, 2011. The inability to complete this work by the end of the ARRA period, and quite possibly by the scheduled Tri-Party Agreement due date of December 31, 2012, is being driven by the lack of an approved cultural resources mitigation action plan.

Corrective Action – The risk status did not improve over the past month as the process for a MOA that RL has sent to SHPO for their review, comment, and approval has not progressed. It is not expected that the MOA will be approved in the near future. When the MOA is approved, CHPRC will be able to resume controlled remediation activities in the 100-K-57 waste site. Completing remediation of this site under ARRA funds by the end FY2011 is not likely and it is too early to tell if remediation can be accomplished by December 31, 2012, putting the associated TPA milestone (M-016-53; due December 31, 2012) at risk.

Status – This issue continues to be addressed by RL and CHPRC senior management.

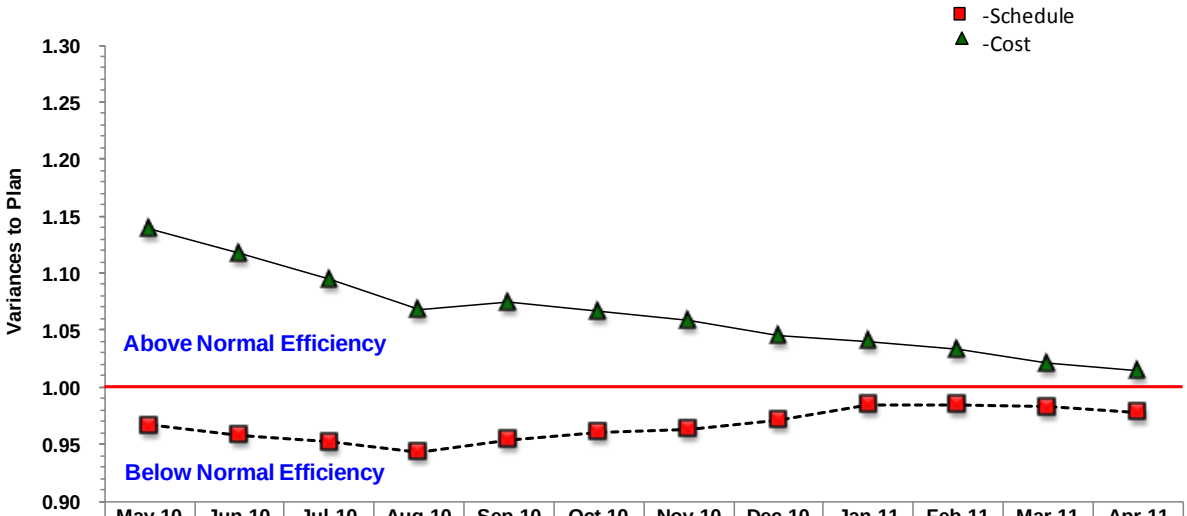
EARNED VALUE MANAGEMENT

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



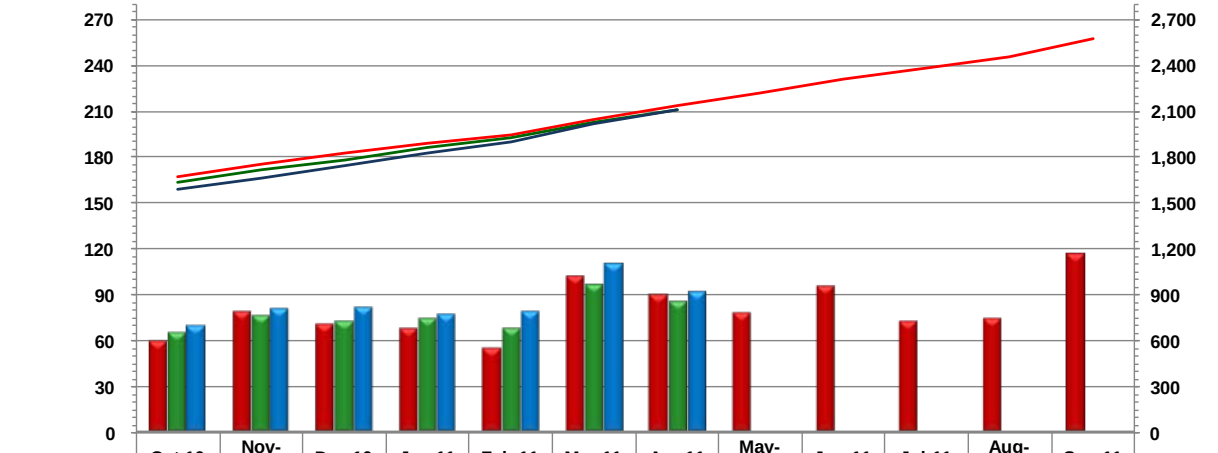
	May-10	Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11	Feb-11	Mar-11	Apr-11
MONTHLY SPI	0.92	0.91	0.89	0.92	1.13	1.10	0.96	1.02	1.09	1.25	0.94	0.95
MONTHLY CPI	0.88	0.89	0.91	0.83	1.07	0.93	0.94	0.89	0.96	0.87	0.88	0.94
CTD SPI	0.97	0.97	0.97	0.96	0.97	0.98	0.98	0.98	0.98	0.99	0.99	0.99
CTD CPI	1.07	1.06	1.05	1.03	1.04	1.03	1.03	1.02	1.02	1.01	1.00	1.00

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



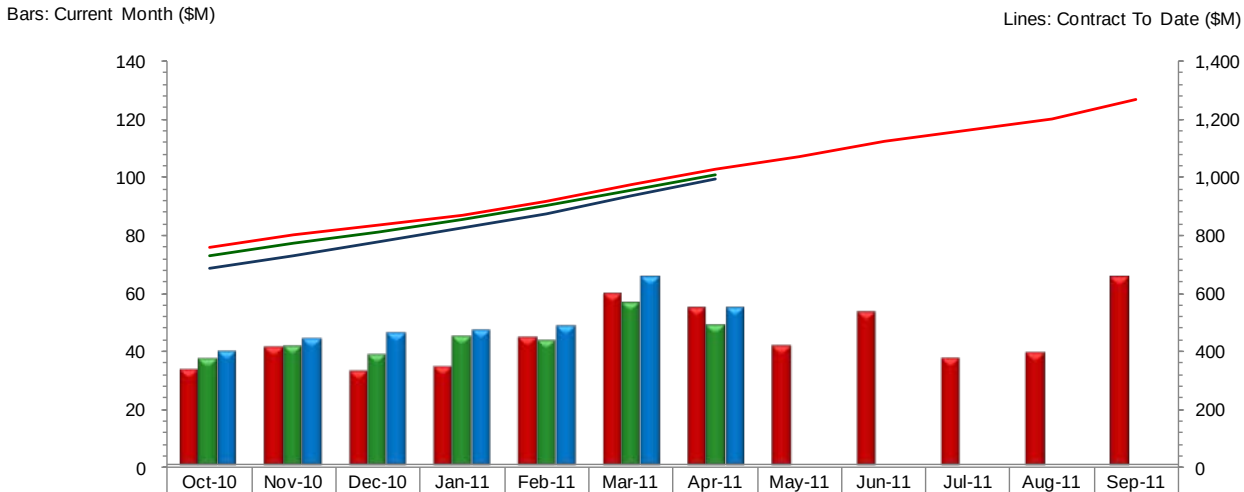
	May-10	Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11	Feb-11	Mar-11	Apr-11
MONTHLY SPI	0.92	0.86	0.89	0.83	1.06	1.11	1.01	1.17	1.31	0.98	0.95	0.90
MONTHLY CPI	0.90	0.90	0.90	0.80	1.13	0.93	0.94	0.84	0.96	0.90	0.87	0.90
CTD SPI	0.97	0.96	0.95	0.94	0.95	0.96	0.96	0.97	0.98	0.98	0.98	0.98
CTD CPI	1.14	1.12	1.09	1.07	1.07	1.07	1.06	1.05	1.04	1.03	1.02	1.01

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	70.9	68.0	54.7	101.9	89.5	78.1	94.8	72.7	74.0	115.7
MONTHLY BCWP	65.0	76.2	72.0	73.9	68.1	96.2	85.3					
MONTHLY ACWP	69.7	80.9	81.2	77.2	78.7	109.4	91.2					
CUMULATIVE BCWS	1,672.6	1,751.7	1,822.6	1,890.7	1,945.4	2,047.3	2,136.8	2,214.9	2,309.7	2,382.5	2,456.4	2,572.1
CTD BCWP	1,637.3	1,713.5	1,785.4	1,859.4	1,927.5	2,023.7	2,109.0					
CTD ACWP	1,586.4	1,667.3	1,748.5	1,825.7	1,904.4	2,013.8	2,105.0					

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	33.3	34.5	44.9	59.9	54.9	42.0	53.3	37.8	39.5	65.5
MONTHLY BCWP	37.5	41.8	39.0	45.3	43.8	57.0	49.3					
MONTHLY ACWP	40.1	44.5	46.4	47.4	48.8	65.2	55.0					
CUMULATIVE BCWS	761.1	802.5	835.8	870.3	915.2	975.2	1,030.0	1,072.0	1,125.3	1,163.1	1,202.6	1,268.1
CTD ACWP	685.7	730.2	776.5	823.9	872.7	937.9	992.9					
CTD BCWP	731.1	772.9	811.9	857.2	901.0	958.1	1,007.4					

Performance Analysis – April

ARRA Performance by PBS ($M)

$M

	Current Period				
	Budgeted Cost		Actual Cost	Variance	
	BCWS	BCWP	ACWP	Schedule	Cost
RL-0011 - PFP D&D	11.3	8.6	11.0	(2.7)	(2.4)
RL-0013 - MLLW Treatment	1.1	1.3	0.9	0.2	0.4
RL-0013 - TRU Waste	11.9	13.3	10.9	1.5	2.5
RL-0030 - GW Capital Asset	10.8	10.8	12.3	(0.0)	(1.5)
RL-0030 - GW Operations	1.9	2.1	3.1	0.2	(1.0)
RL-0040 - U Plant/Other D&D	6.6	5.5	7.3	(1.1)	(1.8)
RL-0040 - Outer Zone D&D	4.8	3.3	4.5	(1.4)	(1.2)
RL-0041 - 100K Area Remediation	6.6	4.4	5.1	(2.2)	(0.6)
Total	54.9	49.3	55.0	(5.5)	(5.7)

ARRA

The Current Month unfavorable Schedule Variance: (-$5.5M/-10.1%) reflects:

- The RL-0011 negative variance (-$2.7) is due to the following:
  - Current month negative variance is a result of stop works causing delays in completing the D&D of 234-5Z and 242Z.
- Primary contributors to the RL-0040 negative variance (-$2.5M) that exceed the reporting thresholds reflect the following subproject performance:
  - ARRA RL-0040.R1.2 Outer Zone D&D (-$1.4M) Outer zone waste sites negative variance is primarily related to earlier completion of scope scheduled for April (-$0.9M), weather and equipment maintenance issues on BC Control Area (-$0.3M) and work on hold pending resolution of site priorities (-$0.4M). Balance of Site unfavorable schedule variance is due to delays with completing the Transportation Documents on the 212 Disposition of Railroad Cars (-$0.5M) which is partially offset by the positive variance for North Slope (+$0.2M).
  - ARRA RL-0040.R1.1 U Plant/Other D&D (-$1.1M) The negative variance is due to delays with the 209E Project (-$0.9M) due to skin contamination, and 200-West Ponds Zone Project (-$0.5M). Issues with acquiring critical resources from MSA has slowed the 200 West Admin Project. The 200-E Admin Zone has a positive variance (+$0.3M) is within threshold.
- The RL-0041 negative variance (-$2.2M) is due to the following:
  - Waste Sites (-$1.5M) The negative variance is due to performance taken ahead of schedule in prior months and delays due to the 100K Utilities re-route (May) and cultural resource issues in the 100-K-64 flood plain. Additionally, 100-K-53 has experienced greater than planned extent of contamination. RL has been notified and contract direction is expected.
  - 100K Area Project (Facilities and Others) (-$0.7M) The negative variance is (-$0.6M) in 105KW deactivation due to taking performance in previous months for the early completion of

removal of debris units and (-$0.1M) in Project Management where CENRTC equipment was not purchased.

- The RL-0013 positive variance (+$1.7M) reflects the following subproject performance:
  - RL-0013 TRU Waste (+$1.5M) Positive variance is due to accelerated RH/Large Package Commercial Repack, and schedule recovery for TRU Retrieval work planned in prior period(s).
  - RL-0013 MLLW Treatment (+$0.2M) Mixed Low Level Waste positive variance is within Threshold - Schedule recovery for Large Type A waste container shipments to PFNW.
- The RL-0030 positive variance (+$0.2M) is within reporting thresholds.

The Current Month unfavorable Cost Variance (-$5.7M/-11.5%) is within reporting thresholds and reflects:

- The RL-0040 negative variance (-$3.0M) that reflects the following subproject performance:
  - ARRA RL-0040.R1.1 U Plant/Other D&D (-$1.8M) The negative cost variance is largely due to the mobilization/startup costs for the U Canyon (-$1.2M) grouting contract as well as additional core drills being required. In addition, recovery efforts for the skin contamination at 209-E drove higher costs for the month (-$0.5M). Also, minor accounts that are outside the threshold (-$0.1M)
  - ARRA RL-0040.R1.2 Outer Zone D&D (-$1.2M) negative variance is primarily due to higher costs of seeding waste sites as a result of adding a mulch layer, which prevented loss of seed during subsequent periods of wind, (-$0.4M) and reduced productivity due to winds and equipment maintenance issues (-$0.8M).
- The primary contributors to the RL-0013 positive variance (+$2.9M) that exceed reporting thresholds reflect the following subproject performance:
  - RL-0013 TRU Waste (+$2.5M) Delay in receipt of costs for RH/Large Package Commercial Repack , lower usage based services and G&A than planned, efficiencies in TRU Characterization and Shipping and T-Plant; partially offset by increased materials, subcontractors, and labor in support of TRU Retrieval (including cost transfer for crane & rigging mischarges from prior months).
  - RL-0013 MLLW Treatment (+$0.4M) The positive variance is within reporting threshold. Delay in receipt of costs for 435.1 waste disposal, efficiencies in Large Type A waste container shipments to PFNW.
- The RL-0030 negative variance (-$2.5M) that exceed the reporting thresholds reflect the following subproject performance:
  - ARRA RL-0030.R1.1 GW Capital Asset (-$1.5M) 200-ZP-1 OU negative cost variance is due to delayed cost transfers associated with implementation of BCRA-R30-11-003R0 ("Transfer of Scope Between ARRA Subprojects, RL-30") (-$840K) and performance being under statused resulting in a BCWP that is lower than the ACWP for the primary construction contractor (-$550K). The contractor accruals have been verified and work has been performed, the under statused performance will be corrected in the next period.
  - ARRA RL-0030-R.1.2 GW Operations (-$1.0M) negative variance is due to:
  - Drilling (-$0.3M) Labor is higher than planned, requiring additional Health Physics Technician, Buyer's Technical Representative and other support on each rig due to potential concerns at the decommissioning sites. Work will be completed within budget.
  - 200-ZP-1 OU (-$0.4M) BCRA-PRC-11-003R0; cost transfer was completed in the month of April and performance was claimed in March.
  - PBS RL-30 G&A and Direct Distributables (-$0.3M) are within reporting thresholds.

- The RL-0011 negative variance (-$2.4M) is due to the following:
  - Current month negative variance is primarily a result of D&D work crews' inability to complete planned work (due to stop work caused by contamination events or high-levels of airborne radioactivity), and working on activities to recover from the stop work, for which no progress could be claimed.
- The RL-0041 negative variance (-$0.6M) is due to the following:
  - Waste Sites (-$0.1M) The negative variance from 100-K-53 experiencing greater than anticipated extent of contamination but no additional performance can be taken. RL has been notified and contract direction is anticipated.
  - 100K Area Project Facilities and Others (-$0.5M) The negative variance is from several areas. 105KW Deactivation (-$0.8M) is due to taking performance in previous months for the final debris campaign completing all 1,025 units ahead of plan, and incurring costs for accelerated debris disposal activities. Utilities 100K Water Project (-$0.3M) is due to continued labor and material costs that are required to complete the work scope. The 105KE Reactor (-$0.3M) where costs for the west annex below-grade demolition weren't anticipated. Project Management (-$0.3M) is due to the higher number of vehicles being utilized by the project. These variances are partially offset by the positive cost variance in Structures Remediation (+$1.1M) variance is due to delays from the utilities upgrade project causing work to be shifted to base facilities ready for demolition. Overhead allocations (+$0.1M) are discussed in Appendix C.

Base Performance by PBS ($M)

	$M Current Period				
	Budgeted Cost		Actual Cost	Variance	
	BCWS	BCWP	ACWP	Schedule	Cost
RL-0011 - Nuclear Mat Stab & Disp PFP	2.4	2.1	2.8	(0.3)	(0.6)
RL-0012 - SNF Stabilization & Disp	5.9	5.9	6.6	(0.1)	(0.7)
RL-0013 - Solid Waste Stab & Disp	5.9	6.4	6.9	0.5	(0.6)
RL-0030 - Soil &Water Rem-Grndwtr/Vadose	14.1	14.8	14.7	0.7	0.1
RL-0040 - Nuc Fac D&D - Remainder Hanfrd	1.4	1.6	1.1	0.2	0.4
RL-0041 - Nuc Fac D&D - RC Closure Proj	4.7	5.1	3.9	0.4	1.2
RL-0042 - Nuc Fac D&D - FFTF Proj	0.1	0.1	0.2	0.0	(0.1)
Total	34.6	36.0	36.2	1.4	(0.2)

Base

The Current Month favorable Schedule Variance (+$1.4M/+3.9%) reflects:

- The RL-0030 positive variance (+$0.7M) primary contributors to the variance that exceed the reporting thresholds are as follows:
  - 100 HR-3 Operable Unit (+$0.6M) HX construction activities for Procure/Install Equipment, Distribution of Electricity and Piping, and Transfer Building Construction are being performed ahead of schedule to support the completion of construction activities by September 2011. Project is currently forecast to complete ahead of baseline schedule.
  - Drilling (-$0.4M) Drilling of UP-1 wells was delayed due to contract initiation. This schedule slippage will be recovered. Also, there have been delays in ZP-1 drilling due to a broken 16” casing as well as shipment delays in receiving the under reamer tool for the 12” casing. It is anticipated that some of the ZP-1 drilling will slip into FY2012.
  - Regulatory Decisions and Closure Integration (+$0.4M) The primary driver for the positive schedule variance is under reporting of performance of Outer Area work scope and B Plant decisions documents during March. The performance status was corrected in April resulting in the current month positive schedule variance with no impact to project completion.
  - Deep Vadose Zone Treatability Tests (+$0.4M) The Uranium Sequestration Treatability Test work was put on hold due to funding priorities and BCR-030-11-012R0 was processed in April to move the scope into FY2012. The current month positive schedule variance is a result of implementing the BCR.
  - 200-ZP-1 Operable Unit (-$0.3M) Procurement of sludge stabilization (lime) system equipment occurred in a previous month resulting in a negative current month schedule variance this month where it was originally scheduled to occur.

- The RL-0013 positive variance (+$0.5M) is due to the following:
  - Completion of ETF Thin Film Dryer vessel procurement planned in prior period, completion of Next Generation CH TRU Retrieval electrical utility procurement previously delayed by site prep, partially offset by delayed start to WESF K1/K3 Upgrades Definitive Design pending decision to move forward with final design.
- The RL-0011, RL-0012, RL-0040, RL-0041 and RL-0042 variances (+$0.4M) are within reporting thresholds.

The Current Month unfavorable Cost Variance (-$0.2M/-0.6%) is within reporting thresholds and reflects:

- The RL-0041 negative variance (+$1.2M) is due to the following:
  - Waste Sites (+$1.4M) The positive variance arises from additional performance taken during the month to better align with progress in the field, overstated performance on one activity resulting from rules of performance which will be corrected next month, and cost corrections processed during the month.
  - 100K Area Project Facilities and Others (-$0.2M) The negative variance is primarily in Facilities (-$0.6M) due to cold and dark/deactivation being unable to finish until after the utility projects complete in May. This is offset by 105KE Reactor (+$0.3M) where characterization was performed efficiently and overhead allocations (+$0.1M) which are addressed in Appendix C.
- The RL-0012 negative variance (-$0.7M) is due to the following:
  - The negative variance was driven by the ECRTS Annex design subcontractor billings that are being incurred without BCWS that is awaiting action on a Baseline Change Request approval; and a current month adjustment to the KOP performance to adjust the Contract to Date to better represent equipment accruals and delivery schedules.
    Corrective Action - The BCR is scheduled to be implemented in the month of May, which will correct this variance.
- The RL-0011 negative variance (-$0.6M) is due to the following:
  - Continued surveillance/monitoring and maintenance of vital systems required to support D&D, which were originally planned to be deactivated. Additional resources and overtime used to complete pencil tank size reduction activities in PRF also contribute to the variance.
- The RL-0013 negative variance (-$0.6M) is due to increased assessments above plan partially offset by completion of ETF TFD vessel without commensurate costs.
- The RL-0040 positive variance (+$0.4M) is within reporting thresholds.
- The RL-0030 positive variance (+$0.1M) is within reporting thresholds. The project is currently experiencing impacts associated with:
  - 200-ZP-1 OU (+$0.9M) The positive cost variance is due to a low accrual by the construction contractor in the period, which will be corrected in the next period.
  - Regulatory Decisions and Closure Integration (+$0.7M) The primary driver for the positive variance is BCWP for the Outer Area and B Plant decisions documents was understated in March and a correcting adjustment was made in April causing a positive cost variance. There is no impact to overall project completion cost.
  - 100-HR3 Operable Unit (-$0.6M) Primary drivers for the negative variance are due to additional time and resources being spent on internal CERCLA (RI/FS) document development that will be recovered in completed Draft A document**,** alignment of wells from the DR-5 system to the DX system and corrective maintenance on the acid and caustic lines as well as trouble shooting pH

probe issues**,** HX design increase in level of support to construction is due to schedule acceleration and complexities of the project.

- Integration and Assessments (+$0.3M) The underrun reflects a cost correction for subcontract costs to the Science and Technology account in March that were subsequently corrected in April. In addition, labor costs were lower due to the direct charging to the projects.
- GW Monitoring and Performance Assessments (-$0.3M) The negative variance for the month is due to the additional cost associated with laboratory analysis and sample collection. Costs were higher than normal this month because of the significant number of reports submitted and approved through the document control process. An overrun is expected for this account at year end but will be partially offset by a passback from the MSA for services provided fiscal year to date.
- 100-HR4 Operable Unit (-$0.3M) The negative variance is due to labor support to complete the document preparation and review of the RI/FS report, delayed cost for Inter-Company Work Exchange Agreement charges, and P-Card laboratory analysis cost overruns in KR-4 are not recoverable this fiscal year within the KR-4 OU, thus will be funds managed.
- PBS RL-0030 UBS, G&A, and DD (-$0.5M) The negative variance is discussed in Appendix C.

- The RL-0042 negative variance (-$0.1M) is within reporting thresholds.

Performance Analysis – Contract to Date

ARRA Performance by PBS ($M)

$M

	Contract to Date					Contract Period		
	Budgeted Cost		Actual Cost	Variance				
	BCWS	BCWP	ACWP	Schedule	Cost	BAC	EAC	Variance
RL-0011 - PFP D&D	212.3	208.8	208.0	(3.5)	0.7	294.0	284.2	9.8
RL-0013 - MLLW Treatment	41.1	36.8	35.1	(4.2)	1.7	47.8	47.5	0.3
RL-0013 - TRU Waste	185.5	183.1	186.4	(2.4)	(3.3)	250.2	253.5	(3.4)
RL-0030 - GW Capital Asset	125.1	124.9	134.5	(0.2)	(9.6)	175.0	175.0	(0.0)
RL-0030 - GW Operations	71.3	71.2	66.1	(0.2)	5.1	83.1	88.8	(5.7)
RL-0040 - U Plant/Other D&D	164.2	160.4	150.0	(3.9)	10.4	200.6	188.3	12.2
RL-0040 - Outer Zone D&D	75.6	70.6	60.2	(5.0)	10.4	98.0	85.1	12.9
RL-0041 - 100K Area Remediation	154.9	151.6	152.7	(3.3)	(1.1)	181.8	174.5	7.4
Total	1,030.0	1,007.4	992.9	(22.6)	14.5	1,330.4	1,296.9	33.5

ARRA

The CTD unfavorable Schedule Variance (-$22.6M/-2.2%) is within reporting thresholds and reflects:

- The RL-0040 CTD negative variance (-$8.9M) primary contributors that exceed the reporting thresholds are as follows:
  - RL-0040.R1.2 Outer Zone D&D (-$4.9M) negative schedule variance is primarily due to delay of work on selected waste sites pending finalization of site priorities (-$2.9M); weather and equipment impacting productivity (-$0.4M); delays with cultural/ecological reviews on the North Slope (-$0.2M) and disposition of the 212N Railcars (-$1.1M) and minor accounts outside the threshold (-$0.3M).
  - RL-0040.R1.1 U Plant/Other D&D (-$3.9M) negative schedule variance is due to late award of the grout contract for U Canyon (-$3.0M) and delays with the 200E Administration Buildings
  - (-$0.9M) due to bio-hazard and radiological control issues. Limited resources has also delayed 200W Administration Buildings (-$0.6M). This is offset by accelerating 209E demolition preparation, mobilization, and asbestos abatement (+$0.6M).
- The RL-0013 negative variance (-$6.6M) is due to the following subprojects:
  - RL-0013 MLLW Treatment (-$4.2M) – Mixed Low Level Waste shipments delayed due to receiving facility's inability to receive extra-large sized waste shipments pending permit/building modifications (permits now obtained), coupled with delay in receipt of M-91-42 waste feed from TRU Retrieval, delay in Large Type A Waste container shipments to PFNW; partially offset by 435.1 Compliance Waste processing being achieved ahead of schedule.
  - RL-0013 TRU Waste (-$2.4M) – T-Plant Repack impacted by need to vent drums with 90 mil liners, coupled with slow restart due to equipment issues for recovery operations for the Beryllium Program implementation, TRU Retrieval delays due to container shipping authorization, coupled with cancellation of remote controlled unit (robot) procurement and delayed closeout of Trench Face Processing System procurement due to on-going negotiations with vendor, delayed TRUPACT II shipping due to unavailability of WIPP conveyances and inability to characterize Standard Waste Boxes due to CCP's delayed start up of the High Energy

Real Time Radiography equipment; partially offset by accelerated RH/Large Package Commercial Repack.

- The RL-0011 negative variance (-$3.5M) is within reporting thresholds.
- The RL-0041 negative variance (-$3.3M) is within reporting thresholds.
- The RL-0030 negative variance (-$0.4M) is due to the following subproject performance:
  - RL-0030.R1.2 GW Operations (-$0.2M) variance is within reporting thresholds.
  - RL-0030.R1.1 GW Capital Asset (-$0.2M) variance is within reporting thresholds.

The CTD favorable cost variance (+$14.5M/+1.4%) is within reporting thresholds and reflects:

- The RL-0040 positive variance (+$20.8M) reflects the following subproject performance:
  - ARRA RL-0040.R1.1 U Plant/Other D&D (+$10.4M) 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) (+$3.9M), overhead allocations (+$10.1M), less Program Management than planned (+$1.5M), efficiencies at U Canyon (D4) (+$0.8M), less resources than planned for C-3 Sampling (+$0.7M), lower than planned costs for capital equipment (D4) (+$2.7M), less asbestos abatement required for 200W buildings (+$3.3M), offset by increased material and equipment costs, increased use of masks and respirators due to the unexpected asbestos levels in the ancillary buildings in U Ancillary (D4) (-$8.0M), increased insulator staff and overtime to recover schedule, and 200E Administration (-$0.2M) and 209E Project delays (-$0.9M), Usage Based Services (-$2.6M). Minor accounts not within threshold (-$0.9M).
  - ARRA RL-0040.R1.2 Outer Zone D&D (+$10.4M) favorable cost variance is due to efficiencies in ALE and North Slope Facilities D&D (+$5.2M) and Outer Area waste sites (+$6.7M). The waste site favorable cost-to-date variance is primarily due to an O-Zone RTD Waste Sites adjustment (pass back) to ERDF waste disposal costs reflecting the operational efficiencies of the super dump trucks. Within the waste sites area, this favorable cost variance is partially offset by higher than planned costs associated with remediation of pipelines. A negative cost variance is associated with increased costs for the 212N/P/R Project (-$1.0M) due to the walls of the basins being much thicker than estimated. Minor accounts outside the threshold (-$0.4M).
- The RL-0030 negative variance (-$4.5M) is primarily due to these contributors:
  - RL-0030.R1.1 GW Capital Asset (-$9.6M) 200-ZP-1 Operable Unit (-$8.3M) negative cost variance is due to performance being under statused resulting in a BCWP that is lower than the ACWP for the primary construction contractor (The contractor accruals have been verified and work has been performed, the under statused performance will be corrected in the next period.); increased costs associated with civil/site work and procurement/installation of prefabricated metal buildings impacted by design changes; delayed cost transfers associated with BCR-030-11-012R0 implementation in the current month; and increased project management resource requirements caused by the implementation of Issued for Construction (IFC) Design. 100 HR-3 (-$0.9M) Operable Unit negative cost variance for 100 DX is the result of increased installation costs on the pH adjustment system, and the impacts of weather on completing construction punch-list items and the Acceptance Test Plan for the facility/process.
  - RL-0030.R1.2 GW Operations positive variance (+$5.1M) can be attributed to the following:
  - Drilling (+$2.6M) Efficiencies and savings obtained in drilling for 100-NR-2 and 200-BP-5 wells. Cost efficiencies have been obtained through an aggressive drilling schedule with savings in support personnel and faster drilling methods. Well decommissionings have also been completed for less than planned.

  - 200-ZP-1 Operable Unit (+$0.6M) Delayed cost transfers for the BCR implemented this month resulted in the positive cost variance, which will be corrected in the next period.
  - 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), and borehole drilling and landfill characterization (competitive subcontracting of drilling support and efficient field support).
  - PBS RL-0030 UBS, G&A, and DD (+$1.8M) The positive cost variance is discussed in Appendix C.
- The RL-0013 negative variance (-$1.6M) reflects the following subproject performance:
  - RL-0013 TRU Waste (-$3.3M) – Increased materials and labor costs in support of the Trench Face Retrieval and Characterization System installation and start up, coupled with increased resources for TRU Retrieval deteriorated waste containers, increased allocation for additional office space and other assessments as a result of increased Recovery Act expenditures; partially offset by efficiencies in TRU Characterization and Shipping, , T-Plant and Waste Receiving and Processing Facility (WRAP), delay in receipt of costs for RH/Large Package Commercial Repack, and lower overhead allocations.
  - RL-0013 MLLW Treatment (+$1.7M) – Mixed Low Level Waste costs below plan due to efficiencies created by treating waste at Energy Solution - Clive rather than planned treatment at PFNW due to a waiver received from DOE-HQ, decreased operational costs at CWC, efficiencies in Large Type A waste container shipments to PFNW; partially offset by higher subcontractor costs for ETF Containment Berm Repairs.
- The RL-0041 negative variance (-$1.1M) is within reporting thresholds.
- The RL-0011 positive variance (+$0.7M) is within reporting thresholds.

Base Performance by PBS ($M)

$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	142.6	142.4	142.1	(0.2)	0.2	344.8	367.4	(22.6)
RL-0012 - SNF Stabilization & Disp	215.2	210.5	217.8	(4.8)	(7.4)	580.4	590.4	(10.0)
RL-0013 - Solid Waste Stab & Disp	279.6	278.1	285.6	(1.5)	(7.5)	1,623.7	1,571.8	52.0
RL-0030 - Soil &Water Rem-Grndwtr/Vadose	343.3	346.0	352.0	2.7	(6.0)	1,283.4	1,232.7	50.8
RL-0040 - Nuc Fac D&D - Remainder Hanfrd	59.1	59.5	53.0	0.4	6.5	757.6	743.9	13.7
RL-0041 - Nuc Fac D&D - RC Closure Proj	56.0	54.2	51.4	(1.8)	2.7	333.2	337.7	(4.4)
RL-0042 - Nuc Fac D&D - FFTF Proj	11.0	11.0	10.0	0.0	1.0	25.1	24.2	0.9
Total	1,106.8	1,101.6	1,112.0	(5.2)	(10.5)	4,948.2	4,868.0	80.2

Base

The CTD unfavorable Schedule Variance (-$5.2M/-0.5%) is within reporting thresholds and reflects:

- The RL-0012 negative variance (-$4.8M) the combined 100K and STP variances are within reporting thresholds.
- The RL-0030 positive variance (+$2.7M) is due to:
  - 100 HR-3 Operable Unit - HX construction activities for Procure/Install Equipment, Distribution of Electricity and Piping, and Transfer Building Construction are being performed ahead of schedule to support the completion of construction activities by September 2011. Project is currently forecast to complete ahead of baseline schedule.
- The RL-0041 negative variance (-$1.8M) is within reporting thresholds.
- The RL-0013 negative variance (-$1.5M) is due to:
  - Delayed start of WESF K1/K3 Upgrades Definitive Design pending decision to move forward with final design, coupled with continued delays for WESF roof upgrades, CSB engineering activities delayed due to resource availability (assigned to higher priority activities), delay in ETF upgrades to determine fire protection requirements; acceleration of WRAP high-efficiency particle absorber filter replacement (scheduled for FY2013).
- The RL-0011, RL-0040, and RL-0042 variances (+$0.4M) are within established reporting thresholds.

The CTD unfavorable Cost Variance (-$10.5M/-0.9%) is within reporting thresholds and reflects:

- The RL-0013 negative cost variance (-$7.5M) is due to:
  - Increased assessments above plan, TRU Retrieval additional resources to deal with deteriorated containers and drum wedge issue, FY2009 WRAP facility increased levels of corrective and preventive maintenance activities as a result of repack operations, increased labor and subcontractor support for Transportation and Packaging, partially offset by efficiencies in Liquid effluent facilities, MLLW, TRU Disposition, TRU Repackaging, Interim Storage Area upgrades, Mixed Waste Disposal Trenches, and lower overhead allocations.
- The RL-0012 negative variance (-$7.4M) the combined 100K and STP variances are within reporting thresholds.

- The RL-0040 positive variance (+$6.5M) is primarily due to:
  - Balance of Site (facilities and others) positive 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) (+$1.5M) less than expected, completion of the sampling of Cell 30 with less resources than planned (+$0.9M), Program Management utilizing less resources (+$1.6M), capital equipment (+$0.3M), Usage Base Services (+$0.2M), and underrun in overhead allocations (+$1.4M).
- The RL-0030 negative variance (-$6.0M) primary contributors that exceed the reporting thresholds are as follows:
  - 200-ZP-1 Operable Unit (+$3.3M) Major contributors to the variance include, Interim Operations reflects significant progress and cost underruns achieved to date for System Calibration, design of the permanent hookup of well EW-1 was lower than planned as only minor changes were needed to an existing design, cost for performing general operating and maintenance and minor modification activities have been lower than planned as the system has been running smoothly, cost for collecting depth-discrete groundwater and soil samples during the installation of new wells was less than planned, development of construction acceptance test plans are lower than planned, and EPC positive cost variance is due to a low accrual by the construction contractor in the period, this will be corrected in the next period.
  - 100 HR-3 Operable Unit (-$3.2M) Primary contributors to the negative variance include, 100 DX extensive effort required to design the pH adjustment system, cost overruns in completing the OU Remedial Process Optimization studies. 100 DX unplanned modifications on the system after completion of construction and higher than expected cost to complete OTP. Cost of realigning wells from DR-5 to 100 DX. 100 HX construction increased cost of procuring cable due to copper price increases. Additional time and resources being spent on internal CERCLA (RI/FS) document development that will be recovered in completed draft A document.
  - Usage Based Services (-$1.7M) Increased cost associated with training due to the additional ARRA work in FY2010 and fleet services costs that occurred in FY2009 and FY2010. Overruns will continue to be funds-managed within the S&GRP project.
  - 100-NR-2 OU (+$1.6M) Chemical treatment and maintenance scope, jet grouting pilot test work, RI/FS Work Plan and Interim Proposed Plan Reporting were performed more efficiently than planned leading to the positive cost variance.
  - 200 PW-1 OU (+$0.8M) Labor and subcontract cost for general operations and minor modifications support is less than planned. In addition, efficiencies and savings experienced with the Soil Vapor Extraction (SVE) system testing prior to March 2010 as well as the removal of two old SVE units.
- The RL-0041 positive variance (+$2.7M) cost variance is within established reporting thresholds. The project is currently experiencing impacts associated with:
  - Waste Sites (+$5.1M) The positive variance is due to failed confirmatory sampling no further action (CSNFA) and RTD sites 100-K-55 Part 1 and 100-K-56 Part 2 which was completed ahead of schedule with less effort than originally planned, partially offset by negative variances related to greater than planned extent, and severity of contamination in the 105KE fuel storage basin.
  - 100K Area Project (Facilities and Others) (-$2.4M) The negative variance is due to Structures (-$3.5M) primarily in the 1706KE/KEL/KER complex in prior years and Project Management (-$1.1M) due to FY2010 General Site Cleanup overruns. These are partially offset by 105KE

Reactor (+$1.4M) due to efficiencies in cold and dark/characterization and overhead allocations (+0.8M).

- The RL-0042 positive variances (+$1.0M) are within reporting thresholds.
- The RL-0011 positive variance (+$0.2M) cost variance is within established 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	158.3	4.8
RL-0013	Waste and Fuels Management Project	162.5	162.5	0.0
RL-0030	Soil, Groundwater and Vadose Zone Remediation	157.6	157.1	0.5
RL-0040	Nuclear Facility D&D, Remainder of Hanford	142.6	140.5	2.2
RL-0041	Nuclear Facility D&D, River Corridor	67.7	66.9	0.8
	Total ARRA:	**693.6**	**685.3**	**8.3**
RL-0011	Nuclear Materials Stabilization and Disposition	39.3	36.6	2.7
RL-0012	Spent Nuclear Fuel Stabilization and Disposition	83.8	78.8	5.0
RL-0013	Waste and Fuels Management Project	90.7	83.8	6.9
RL-0030	Soil, Groundwater and Vadose Zone Remediation	170.0	174.4	(4.4)
RL-0040	Nuclear Facility D&D, Remainder of Hanford	24.6	18.4	6.2
RL-0041	Nuclear Facility D&D, River Corridor	55.4	50.0	5.4
RL-0042	Fast Flux Test Facility Closure	2.4	1.9	0.5
	Total Base:	**466.2**	**444.0**	**22.3**

Funds/Variance Analysis:

Funding includes FY2010 carryover and FY2011 new Budget Authority. CHPRC has requested a realignment of funding among PBSs to meet projected funding reductions and to help resolve the RL-0030 funding shortfall.

BASELINE CHANGE REQUESTS

In April 2011, 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 April 2011		
AWA-R40-11-003R0	*Asbestos Abatement on Steam Lines per Change Order #89*	This advanced work authorization (AWA) initiates Change Order #89 in Contract Modification 150 as ARRA scope with a not-to-exceed limit of $295K and covers the period April 25, 2011, through September 30, 2011. Consistent with Change Order #89, this AWA incorporates a preliminary estimate for the following scope: (1) Mitigate asbestos hazards as identified and listed in Letter CHPRC-100-2798A-R1 Attachment as "56 small locations within the above-ground steam line area in the 200 East and 200 West Areas"; (2) The work shall be completed prior to October 1, 2011; and, (3) The scope does not include steam line removal for the referenced 5,000 linear feet, the 35,000 feet referenced in Letter CHPRC-1002798A-R1 or any other locations at this time. No additional funding, or use of reserve funding, is required as a result of this change request. Funds management is used to ensure the authorized FY2011 ARRA funds for Project Baseline Summary RL-0040 are not exceeded. No management reserve is used.
BCR-012-11-004R0	*STP Acceleration of Existing 100K Annex Modifications*	The current baseline includes the need to modify the existing annex to the 100K West Basin facility to support building a new facility to load out the sludge material into a Sludge Transport Storage Container vessel, then transport to the Central Plateau for interim storage. This specific work, currently part of a larger planning package in FY2012, is now being converted to a work package and accelerated into FY2011 in order to keep this work from being on the critical path in FY2012. In order to be prepared to start the construction of the new facility, a portion of the existing facility needs to be removed from the footprint where the new facility will be constructed. In addition, birds have nested in the existing annex, and in order to be able to perform the construction work, some bioremediation of the walls and structures and a barrier to prevent the birds from further entry will be required. EPC has accepted the task to complete this scope, overseeing the construction services personnel required. The construction of the new facility is on the STP critical path, so anything that can advance the initiation of that work is a risk reduction effort to the STP schedule. No additional funds are required as a result of this change request and no management reserve is used.
BCR-030-11-012R0	*Additional S&GWP FY2011 Scope Adjustments, Part II*	This change request defers low priority work scope from FY2011 based on realized risks and RL priorities. This change request also reduces the estimate for the radiological portion of the Soil Background Study to be consistent with Change Order #73, in Contract Modification 150. The estimate is revised to address document development in support of Hanford barrier in FY2011, per RL Federal Project Director e-mail. No additional funds are required as a result of this change request. FY2011 and FY2013 funds management is used to ensure that the authorized Base funds for project baseline summary (PBS) RL-0030 are not exceeded. FY2012 management reserve is used to cover the value of the realized risk scope in FY2011 deferred to FY2012. There is no change to ARRA Key Performance Parameters. There is a change to the number of wells drilled as a result of this change request; two (2) additional wells are drilled in the 4th quarter FY2011 increasing the total number of wells drilled from 395

Change Request #	Title	Summary of Change
		to 397.
BCR-040-11-002R0	*Additional B-Plant Pre-Filter Change-Outs*	This change request incorporates a change to the B-Plant performance measurement baseline estimate by adding one additional B-Plant Main Stack pre-filter change out to the current minimum safe operating schedule for FY2011. Briefly, the new roof installed in 2002 apparently has caused the interior of B-Plant to be dryer. This dryer condition has had a positive influence on the contamination buildup, and corresponding increased radiation levels, recorded on the B-Plant Main Stack pre-filters. Due to the increased radiation levels from contamination buildup on the B-Plant Main Stack pre-filters, it is now recommended that the B-Plant Main Stack pre-filters be changed twice a year instead of once a year. This change will be incorporated into the B-Plant minimum safe operation schedule through the remaining contract period, FY2012 through 2018, in the upcoming rebaseline later this fiscal year. No additional funds are required as a result of this change request. Funds management is used to ensure the authorized FY2011 Base funds for PBS RL-040 are not exceeded. Management reserve in the amount of $98.6K is used as discussed in Block 19 of the change request. There is no change to Key Performance Parameters as a result of this change request.
BCR-PRC-11-021R0	*Transfer of Workforce Restructuring to ARRA Only*	This change request incorporates workforce restructuring into the performance measurement baseline as directed by RL in DOE RL letters 11-AMA-038, dated February 4, 2011 and 11-FMD-0075, dated March 30, 2011. Specifically, DOE RL letter 11-AMA-038 approves a Workforce Transformation Plan for FY2011 that differs from the original CHPRC requested approach. The original CHPRC approach estimated the cost of a 1,350 workforce reduction at $14.2M based on reduction in three phases Special Voluntary Retirement Program, Special Voluntary Reduction of Force with enhanced severance program, and Involuntary Reduction of Force (IROF). DOE's recent direction on this subject (DOE RL letter 11-AMA-038) directed a Self-Select Program and the IROF. The near-term cost impact of this approach is estimated to increase the budget in FY2011 by $4.0M. Additionally, the Company level contribution for FICA (7.65%) is also required and increases the estimate by an additional $1.4M. CHPRC incorporated the original estimate of $14.2M into the PRC Baseline as part of change request BCR-PRC-10-041R0, "ARRA Reapportionment, June 2010", dated June 22, 2010. The original budget was planned in the Non-Direct Work Breakdown Structure under the Direct Distributable (DD) account WBS 000.18.17 and distributed by the accepted accounting practice model to each project baseline summary (PBS) under the WBS 0XX.99 accounts. The DD accounts are distributed to both Base and ARRA funded PBSs. In addition to the change in approach identified above, DOE RL letter 11-FMD-0075 dated March 30, 2011 directs the Workforce Restructuring budget to be ARRA only with budget allocated to the applicable CHPRC ARRA PBSs where "funds are available". It also directs CHPRC to cover "allocations of costs from other site contractors to available ARRA funding sources for the severance related portion cost" which is estimated at $8.1M. No additional funds are required as a result of this change request. There is no use of management reserve. RL authorization to implement this change request upon submittal is provided in Attachments 1 and 2 of the change request.
BCR-PRC-11-032R0	*200W Pump & Treat IFC Cost/Schedule Revision*	On August 9, 2010, CHPRC completed IFC design and subsequently issued drawings to the construction contractor. As background, the primary construction contract for this work scope, which forms the basis

Change Request #	Title	Summary of Change
		for the current budget, was issued April 29, 2010, based upon 60% design for mechanical, electrical, instrumentation & controls and 90% design for civil/structural systems. The majority of the changes associated with the issued IFC drawings have now been substantiated and the cost impacts have been identified (potential changes can still be incurred as IFC scope is constructed in the field). The scope of work affected by this change request is included both ARRA and Base. Since establishment of the performance measurement baseline (PMB) for the 200 West Pump-and-Treat (P&T) facility, which was based on a preliminary design, the design has now matured resulting in changes to the system's scope and configuration. The revision to the 200W P&T PMB documented with this change request is the incorporation of IFC scope changes for the procurement and construction phase of the project. Specific areas addressed are mechanical systems, electrical systems, engineering, project management, process controls, sheet metal, structural, and transfer buildings. Based on the final IFC design, the estimated total budget for these activities is prepared using negotiated subcontract change orders, estimates from the contractor, and estimates developed internally within CHPRC. The increased construction scope requires additional functional support in project management, Environmental Safety, Health & Quality, field engineering and procurement. This change request provides for the additional support required in these functional areas. Also as a result of IFC design drawing issuance, a revised estimate for the completion of essential/support drawings and software development is also required and included in this change request. The other major revision provided by this change request is the revised estimate to complete construction of the sludge stabilization (lime) system. The revised estimate provided in this change request is a compilation of bids from construction contractors (April 2011) and related vendor estimate information. This new information was not available when the current baseline for this scope was established since the design was in the conceptual phase. Now that 100% design has been delivered (December 2010), the budget for this work scope is known. No additional funds are required as a result of this change request. ARRA management reserve (MR) in the amount of $5,200K is used to offset the risks that have occurred. Base MR in the amount of $3,392K is used to offset the risks that have occurred. Funds management is also used, as appropriate, to ensure that the authorized FY2011 funds by RL for project baseline summary (PBS) RL-0030 are not exceeded for both Base and ARRA budget over the management reserve value. Since the overall change is greater than $5M, RL approval is required; RL authorization to implement this change request upon submittal is provided in Attachment 1 of the change request.
BCRA-000-11-002R0	*PC&PI Functional Realignment*	This is a follow-on change request to BCRA-PRC-11-031R0, "General Administrative & FOC Changes for March 2011", which made changes to the functional organization code (FOC) designation to establish the new organizations replacing the Business Services and Project Controls FOC. This administrative change request re-aligns the budget within six (6) control accounts between Business Services and Prime Contracts & Project Integration. The work breakdown structure (WBS) affected is WBS element 000.17. The details affecting the basis of estimate and cost estimating input sheets (CEIS) are summarized in Attachment 2 of the change request. See Attachment 3 of the change request for the COBRA reports and Attachment 6 of the change request for before and after CEIS and WBS Dictionaries. There is no change to budget, scope or schedule. No management reserve is used.

Change Request #	Title	Summary of Change
BCRA-PRC-11-033R0	*Schedule Logic, Milestones and Other General Administrative Changes, April 2011*	The following administrative changes are made to the performance measurement baseline by this change request: 1. The Key Performance Parameters (KPP) for RL-0041.R1.1.KPP 1, "Complete D4 of 15 100K Area Facilities," is tied to eight "facility completion" milestones. Since the KPP actually completes before the "backfill" and "facility completion" activities occur, this is misleading. Eight milestones are added before the "backfill" activities, denoting when the KPP would actually be met. The added milestones are identified in Attachment 1 of the change request. 2. Add the following seven new TPA milestones to the RL-12 (both Sludge Treatment Project & Decontamination and Decommissioning) baseline. [KOP – Knock-out-Pot] (See Attachment 2 of the change request). Hanford Programs Integrated Control Module (HPIC) Changes as identified in Attachment 3 of the change request are also documented. The general HPIC changes include new work breakdown structures (WBSs), change in Control Account Managers, requested new Cost Account Charge Numbers (CACNs) and other identified changes.
BCRA-R40-11-002R0	*Mobile Ground Survey Equipment, Capital Procurement*	This change transfers budget from the Outer Zone Waste Sites Remediation "expense" accounts into the "capital" account within the same Level 4, WBS 040.02.29.03, to correctly track costs for the mobile survey equipment (Kubota). The Kubota was acquired through several separate procurements and assembled into an operational unit. A review of the procurement documents determined that the total cost of the operational unit exceeds the threshold for capital equipment. This change transfers budget from the expense category into the capital category and allow costs to subsequently be transferred to the capital account. There is no impact to costs or funds as a result of this change; the equipment has already been paid for from expense funds. Sufficient funds have been designated as capital to cover this change.

Overall the contract period PMB budget is increased $42.4 million in April 2011. Management reserve, in the amount $10.0 million, is used in April 2011 as follows: (1) $1.3 million Base in project baseline summary (PBS) RL-0030 scope as documented in change request BCR-030-11-012R0 due to two (2) realized risks, (a) SGW-017, "Groundwater Flow less than Planned – 200W Pump & Treat, Phase 1", in which the fouling of the 200-ZP-1 Operable Unit wells impacts the groundwater flow required for the 200W Pump-and-Treat facility; and, (b) unassigned risk PRC-010, "Requirements Change", in which the change in electrical code results in the need for electrical grounding for groundwater wells; (2) $0.1 million Base in PBS RL-0040 for realized risk D4-043, "Unforeseen Facility Event Impacts Safety or Environment", associated with the unexpected frequency change for B-Plant Pre-filters to the main exhaust stack as documented in change request BCR-040-11-002R0; and, (3) $8.6 million [$5.2 million ARRA and $3.4 million Base] in PBS RL-0030 for four (4) realized risks associated with design and construction of the 200W Pump-and-Treat facility as documented in change request BCR-PRC-11-032R0. Overall, management reserve in April 2011 is reduced from $232.0 million to $222.0 million. 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 April 2011, is an increase of $32.4 million and is summarized by fiscal year in the tables below (dollars in thousands, negative number represents reduction):

April 2011 Summary of Changes to Estimated Contract Price

	FY2009	FY2010	FY2011	FY2012	FYs 2009-2013	FYs 2014-2018
March 2011 Estimated Contract Price						
PMB	653,426	960,017	973,145	708,486	3,860,850	2,375,396
Mgmt Rsrv (MR)	0	0	37,408	25,100	94,208	137,800
Fee	39,712	48,772	32,322	21,600	159,927	87,417
Total	***693,138***	***1,008,790***	***1,042,875***	***755,186***	***4,114,984***	***2,600,613***
Change by Funding Source to Estimated Contract Price in April 2011 (9 BCRs)						
PMB						
ARRA						
All ARRA WBSs	0.0	0	38,311	0	38,311	0
Base						
All Base WBSs	0	0	4,322	635	4,086	0
Change to PMB	***0***	***0***	***42,633***	***635***	***42,397***	***0***
MR						
ARRA						
All ARRA WBSs	0	0	-5,200	0	-5,200	0
Base						
All Base WBSs	0	0	-3,491	-1,350	-4,841	0
Change to MR	***0***	***0***	***-8,691***	***-1,350***	***-10,041***	***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***	***33,942***	***-715***	***32,356***	***0***
April 2011 Estimated Contract Price						
PMB	653,426	960,017	1,015,778	709,121	3,903,247	2,375,396
MR	0	0	28,717	23,750	84,167	137,800
Fee	39,712	48,772	32,322	21,600	159,927	87,417
Total	***693,138***	***1,008,790***	***1,076,817***	***754,471***	***4,147,341***	***2,600,613***

Changes to/Utilization of Management Reserve in April 2011

		FY2009	FY2010	FY2011	FY2012	FY2009-2013	FY2014-2018
Management Reserve (MR) - End of March 2011							
ARRA	RL-0011.R1	0	0	4,894	0	4,894	0
	RL-0013.R1.1	0	0	0	0	0	0
	RL-0013.R1.2	0	0	1,000	0	1,000	0
	RL-0030.R1.1	0	0	0	0	0	0
	RL-0030.R1.2	0	0	5,200	0	5,200	0
	RL-0040.R1.1	0	0	3,800	0	3,800	0
	RL-0040.R1.2	0	0	0	0	0	0
	RL-0041.R1	0	0	8,608	0	8,608	0
	ARRA Total	***0***	***0***	***23,502***	***0***	***23,502***	***0***
Base	RL-0011	0	0	2,000	7,400	17,400	0
	RL-0012	0	0	3,000	3,000	10,500	16,800
	RL-0013	0	0	1,500	3,000	9,500	38,100
	RL-0030	0	0	3,392	4,000	11,792	32,000
	RL-0040	0	0	3,800	4,000	12,900	31,900
	RL-0041	0	0	214	3,500	8,214	18,000
	RL-0042	0	0	0	200	400	1,000
	Base Total	***0***	***0***	***13,906***	***25,100***	***70,706***	***137,800***
MR Total		***0***	***0***	***37,408***	***25,100***	***94,208***	***137,800***
Changes to/Utilization of Management Reserve in April 2011							
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	-5,200	0	-5,200	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***	***-5,200***	***0***	***-5,200***	***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	-3,392	-1,350	-4,742	0
	RL-0040	0	0	-99	0	-99	0
	RL-0041	0	0	0	0	0	0
	RL-0042	0	0	0	0	0	0
	Base Total	***0***	***0***	***-3,491***	***-1,350***	***-4,841***	***0***
MR Total		***0***	***0***	***-8,691***	***-1,350***	***-10,041***	***0***
Management Reserve - End of April 2011							
ARRA	RL-0011.R1	0	0	4,894	0	4,894	0
	RL-0013.R1.1	0	0	0	0	0	0
	RL-0013.R1.2	0	0	1,000	0	1,000	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	3,800	0	3,800	0
	RL-0040.R1.2	0	0	0	0	0	0
	RL-0041.R1	0	0	8,608	0	8,608	0
	ARRA Total	***0***	***0***	***18,302***	***0***	***18,302***	***0***
Base	RL-0011	0	0	2,000	7,400	17,400	0
	RL-0012	0	0	3,000	3,000	10,500	16,800
	RL-0013	0	0	1,500	3,000	9,500	38,100
	RL-0030	0	0	0	2,650	7,050	32,000
	RL-0040	0	0	3,701	4,000	12,801	31,900
	RL-0041	0	0	214	3,500	8,214	18,000
	RL-0042	0	0	0	200	400	1,000
	Base Total	***0***	***0***	***10,415***	***23,750***	***65,865***	***137,800***
MR Total		***0***	***0***	***28,717***	***23,750***	***84,167***	***137,800***

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 4/30/2011								Planned Subcontracting*	$2,524,483,195
Contracts + Purchase Orders + Pcards								Contract-to-Date Awards =	$1,681,365,458
Reporting	ARRA		Non-ARRA		Total	Percent of	Goal	Balance Remaining to Award =	$843,117,737
Classification	($)	%	($)	%	($)	Total	(%)	Goal Award ($)	Bal. to Goal ($)
SB	$387,770,577	54.17%	$441,702,620	45.75%	$829,473,197	49.33%	49.30%	$1,244,570,215	$415,097,018
SDB	$76,571,083	10.70%	$72,719,969	7.53%	$149,291,051	8.88%	8.20%	$207,007,622	$57,716,571
SWOB	$84,042,166	11.74%	$80,258,026	8.31%	$164,300,192	9.77%	6.50%	$164,091,408	($208,785)
HUB	$15,537,518	2.17%	$17,718,753	1.84%	$33,256,270	1.98%	3.20%	$80,783,462	$47,527,192
VOSB	$59,422,054	8.30%	$35,756,708	3.70%	$95,178,761	5.66%	2.00%	$50,489,664	($44,689,097)
SDVO	$12,868,810	1.80%	$13,920,165	1.44%	$26,788,975	1.59%	2.00%	$50,489,664	$23,700,689
NAB	$11,741,070	1.64%	$7,419,368	0.77%	$19,160,438	1.14%	0.00%	**10-year subcontracting projection*	
Large	$205,620,338	28.72%	$291,550,932	30.20%	$497,171,269	29.57%	0.00%		
GOVT	$82,098	0.01%	$1,177,910	0.12%	$1,260,008	0.07%	0.00%	PRC clause H.20 small business (SB) requirement:	
GOVT CONT	$122,324,404	17.09%	$227,887,051	23.60%	$350,211,456	20.83%	0.00%	≥17% of Total Contract Price performed by SB	
EDUC	$8,369	0.00%	$97,731	0.01%	$106,100	0.01%	0.00%	Total Contract Price:	$5,363,111,740
NONPROFIT	$34,851	0.00%	$2,951,522	0.31%	$2,986,372	0.18%	0.00%	17% requirement:	$911,728,996
FOREIGN	$28,080	0.00%	$125,600	0.01%	$153,680	0.01%	0.00%	Awarded:	$829,473,197
Total	$715,868,716		$965,496,742		$1,681,365,458			Balance to Requirement:	$82,255,798

Notes:

1. Performance through April 2011 continues to exceed goals in the Small Business, Disadvantaged Business, Woman Owned, and Veteran Owned categories and lag our goal for HUB zone and Service Disabled Veteran business awards. Forty-nine percent of total awards have been made to small businesses with approximately 54 percent of ARRA awards to small businesses.
2. ARRA-funded awards have accounted for approximately 43 percent of all actions placed since contract inception.
3. Approximately 93 percent 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 (Woman Owned Minority Enterprise codes) in accordance with socioeconomic reporting requirements. Small business categories overlap and should not be added together.

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

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