

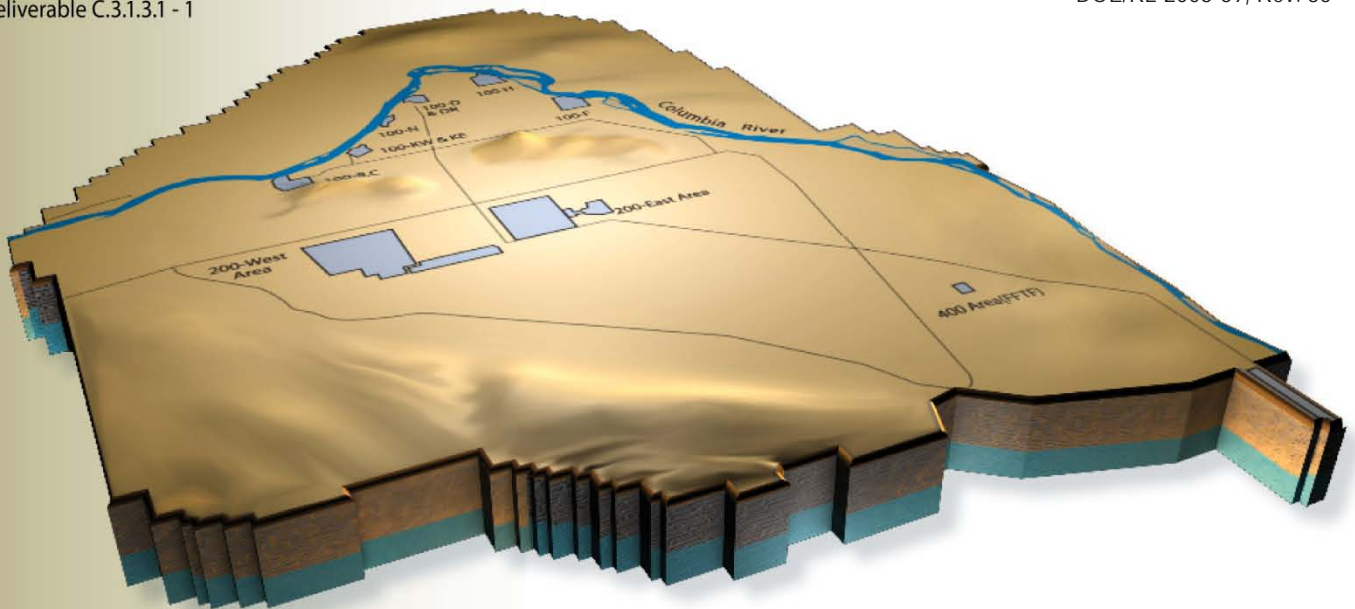


J. G. Lehew
President and Chief
Executive Officer

Monthly Performance Report

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EXECUTIVE SUMMARY

Focus on Safety



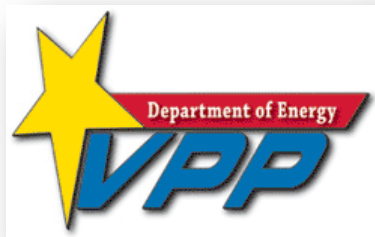
Throughout August, safe accomplishment of significant cleanup progress occurred in CHPRC key scope areas across the Hanford Site including demolition atop Rattlesnake Mountain at the Arid Lands Ecology Reserve, demolition of access control structures at the Plutonium Finishing Plant, demolition of two reactor support facilities in the 100K Area, waste retrieval in the 200 West Area, shipment of TRU waste off Site, clearing of the U Canyon deck, delivery of a record quantity of contaminated soil to Environmental Restoration Disposal Facility (ERDF), well drilling and decommissioning and construction of the 200 West Groundwater Treatment Facility. While CHPRC experienced one

recordable injury in August, the Plutonium Finishing Plant (PFP) Closure Project achieved 30 days without a recordable injury or an Occurrence Reporting & Processing System reportable event in Hazardous Energy, Conduct of Operations, or Radiological Controls.

The initial RL/CHPRC partnering session was conducted on August 13 with senior management representatives defining the path forward for future working group sessions. Joint RL/CHPRC teams will be investigating ways to communicate status, issues, and challenges for approaches to optimize work execution while continuing to improve safety and environmental performance toward the common goals of achieving both the Recovery Act mission and the 2015 Vision.

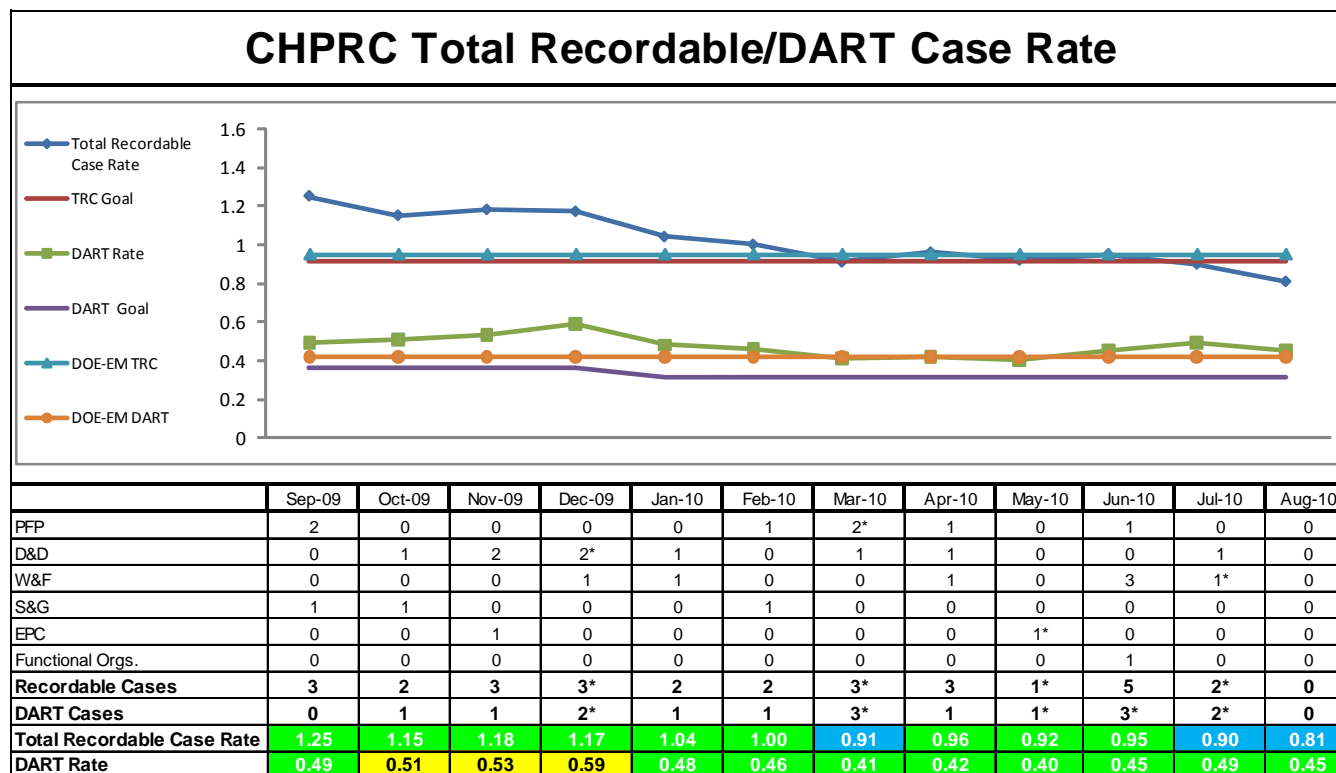
Continued emphasis on the Site wide Beryllium program included hiring of support personnel to assist Projects in Beryllium sampling activities, completing the corrective action plan to the DOE/HQ Beryllium Program assessment, performing an internal Work Site Assessment on the use of Beryllium Work Permits and development of related training for Managers, Supervisors, Work Planners, and Persons-in-Charge.

Thirty CHPRC employees attended the 26th Annual Voluntary Protection Programs (VPP) Participants' Association National Conference where CHPRC earned four awards. The Waste & Fuels Management Project received the Star of Excellence Award, the PFP Closure Project received the Superior Star Award, and the Soil & Groundwater Remediation Project received both the Star of Excellence Award and the US DOE VPP Legacy of Stars Award.



TARGET ZERO PERFORMANCE August 2010

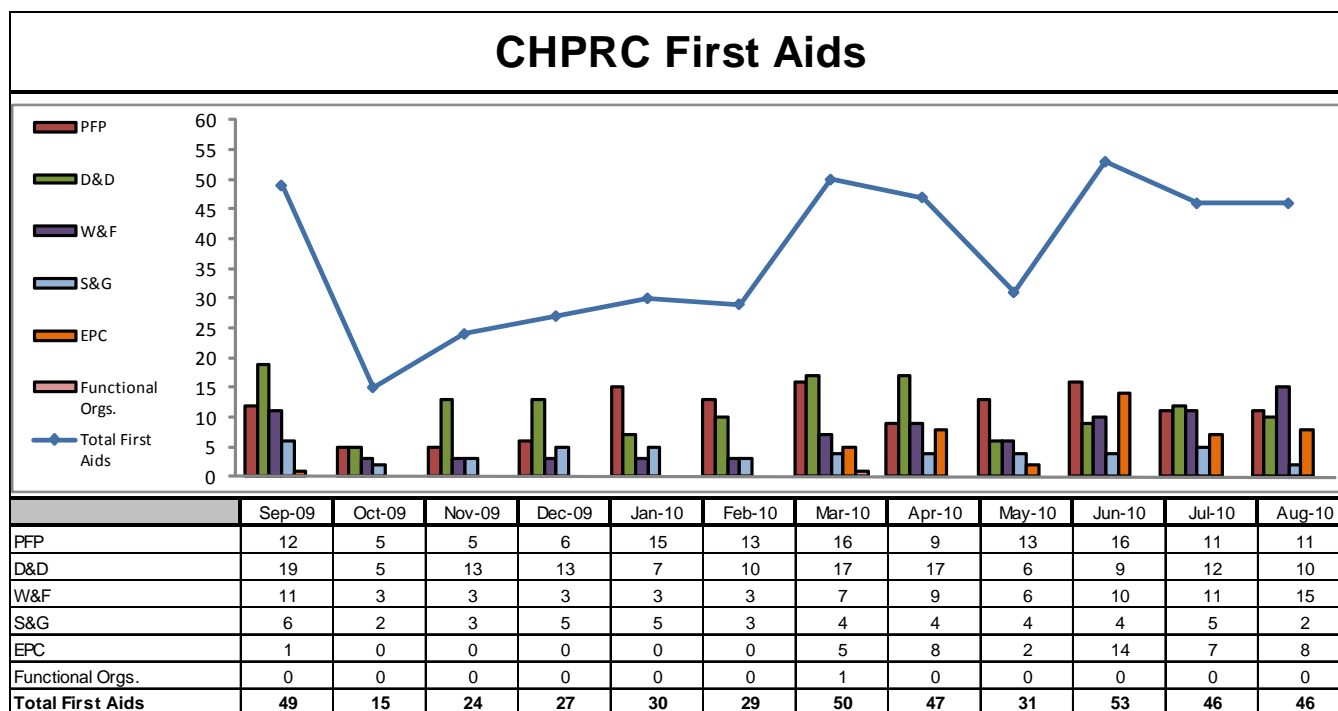
CHPRC continued focusing on integrating safety programs in all program and project areas.



Total Recordable Injury Case (TRC) Rate – The 12 month rolling average TRC rate of 0.81 is based upon a total of 29 recordable injuries for the period. Two cases, one in May and another in July were also determined to be Recordable resulting in Days Away, Restricted, or Transferred. Four cases are currently under review requiring additional information.

Days Away, Restricted or Transferred (DART) Workdays Case Rate – The 12 month rolling average DART rate of 0.45 is based upon a total of 16 cases.

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



First Aid Case Summary – Forty-six first-aid cases were reported in August. Twenty-two of these resulted from insect bites/stings. Soil and Groundwater Project (S&G) noted a significantly lower number of bites/stings (two) in the month. According to the Safety & Health manager, this is likely attributed to aggressive placement and enforcing the use, including reapplication throughout the day, of insect repellent wipes.

CHPRC is evaluating the MSA soft-tissue committee for adoption or expansion as a site-wide initiative. CHPRC is also partnering with HAMTC safety to evaluate leather glove alternates and protective gauntlets to reduce cuts/abrasions to hands/arms and benchmarking S&G use of insect wipes against other projects.

PROGRAM SUMMARIES

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

The SHS&Q organization participated in the first RL/CHPRC partnering session conducted on August 13, 2010. This initial meeting included senior management representatives to define the path forward for future working group sessions. The goal of these sessions will be to improve communication, teamwork, problem solving, and building on our success from over the past two years of the Plateau Remediation Contract with the common goal of achieving both the Recovery Act mission and the 2015 Vision.

These teams will be investigating ways we can communicate status, issues, and challenges for approaches to optimize work execution while continuing to improve safety and environmental performance. As these sessions evolve, the outcomes will be communicated throughout our organizations. Select personnel will be asked to be involved based upon specific identified issues.

The next safety related partnering session has been scheduled September 9 which will include Ray Corey and his direct report management team and Terry Vaughn and his direct report management team.

The status of the site-wide Beryllium program includes final touches to the corrective action plan and the final interim controls. CHPRC anticipates receiving formal direction in early September to begin the implementation of these two documents. In anticipation of this direction we have developed sampling schedules, reviewed previous sampling data, hired additional subcontractor staff, and communicated expectations to our project Occupational Safety and Industrial Health staff as part of our readiness actions.

Also this month, SHS&Q has created an additional group within our organization titled Integration & Improvement Management, which will be managed by Gary Grant. This new group will be responsible for our continuous improvement initiatives, HPI, ISMS/EMS program maintenance, issues management, and performance analysis.

Environmental Program and Strategic Planning (EPSP)

Environmental Management System:

- Developed draft objectives and targets for environmental improvement in FY2011. FY2010 targets are on track for completion by the end of the year.

Compliance Inspections and Reviews:

- Completed the RCRA General Inspection of the 400 Area on August 5, 2010, by RL, MSA, CHPRC, and Washington Closure Hanford (WCH). No major items were found.
- Closed out the Ecology Inspection of the 400 Area backup generator and the 200 Area Effluent Treatment Facility Solidification Treatment Unit and No violations of applicable permitting or air emission standards were found
- Responded to the Notice of Violation on the Canister Storage Building from Washington State Department of Health (WDOH) via letter from RL on August 23, 2010, providing the requested information
- Submitted Notice of Construction application for retrieval/disposition of Boxes 80 and 82 for the TRU Project on August 3, 2010, to RL
- Completed NESHAPs response to RL Surveillance Report S-10-EMD-DOE-001, on August 25, 2010
- Responded to the WDOH Notification of Inadequate Radiological Controls at 100-K Area, on August 27, 2010, concluding that the controls were adequate
- Completed the Compliance Advocate Program and Compliance Program descriptions

Strategic Planning Support

- Provided information to support responses to Central Plateau RI/FS questions associated with free liquids in drums in above-ground storage, Th-232 and U-233 discharges to liquid disposal sites and tanks during the 1966 and 1970 PUREX thorium campaign, and waste data for pre-1970 burial grounds, including burial grounds located in the 100 and 300 Area burial grounds
- Completed the risk analysis for the Reapportionment Baseline Change Request (BCR)

Business Services and Project Controls

In August 2010, CHPRC approved and implemented four (4) baseline change requests, of which two (2) are administrative in nature and did not change budget, schedule or scope.

Overall, the contract period PMB budget is reduced \$5,416.5K with no use of management reserve in August 2010. See the Format 3 Report in Appendix A and A-1 for a complete listing of the specific change requests and the impact on the PMB budget by fiscal year.

During August, Prime Contracts received and processed eight (8) contract modifications (No. 104, 112, 114, 115, 116, 118, 119, and 120) from RL. The Correspondence Review Team reviewed and determined distribution for 37 incoming letters and the Prime Contract Manager reviewed 71 outgoing correspondence packages.

Property Management completed the annual inventory of Sensitive Property in August. A total of 4,507 items were scheduled to be inventoried. The final inventory results are as follows:

- Inventory Accuracy: 4,490 items or 99.62% were located
- Inventory Value: \$6,909,841.00 or 99.66% of the total inventory value was accounted for
- 17 Items valued at \$23,303.00 were documented on Loss/Damage/Destruction Reports, investigated and submitted to the RL Organizational Property management Officer.

In both categories, CHPRC exceeded the DOE Target Rates for inventory accuracy from the Personal Property balanced Scorecard. On August 26, CHPRC received the results of the annual assessment of the Personal Property Management Program required by CRD 580.1. The assessment concluded that CHPRC has an effective and approved Property System in which no significant issues were identified.

During August, CHPRC Procurement group awarded/amended \$39.1M in subcontracts to support Base/American Recovery and Reinvestment Act (ARRA) acceleration objectives. Record levels of procurement volume have been processed over the first 23 months of the contract (\$1.27B in new awards including \$549.6 million for ARRA). The CTD procurement volume encompasses 4,019 releases, 6,560 Purchase Orders, and 109,099 P-Card transactions.

Breakdown of procurement sources by dollars:

- Approximately 94% of total expenditures (\$1.27B) arise from service and staffing contracts and amendments
- Approximately 4% of the reported expenditures are P-Card purchases (\$50.5M)
- Purchase orders for materials and equipment make up less than 2% of the total expenditures

Material Services activities for August included:

- Material Services completed an FY2010 Management Assessment on *Emergency eBOMs Tied to Work Packages*. Assessment found that approximately 25% of eBOMs are coded as emergency. Premium freight is not always authorized on emergency eBOMs, so Material Services will send an informative communication to eBOM users regarding how to complete an eBOM for emergencies.
- Provided PassPort Spare Parts training to 15 PFP personnel consisting of Design Authorities (DA), BTRs, and a Material Coordinator. The DAs were given credit for attending Training Course #063060, PassPort Spare Parts Training for DAs.
- Worked with a Site Forms Designer to convert the Spares Storage Request form from an Adobe form to a Microsoft Word Template.
- Completed two user audits for BMS PassPort Administration, Spare Parts and Catalog ID Setup; some users were identified that could be removed from PassPort; a few others were changed from one security level to another. Changes were communicated to MSA's BMS PassPort Administration.
- Completed review work on PassPort catalog IDs (Cat IDs) with inventory that was stashed as NOPURCH (item cannot be ordered as is). After the original list of Cat IDs (808) was scrubbed by DAs, 196 Cat IDs on the spreadsheet were marked for excess, and 295 Cat IDs were left at QL-0 at the DAs request. That left 316 Cat IDs where the DAs wanted the items upgraded to QL-3 if possible. The completed list was re-sorted by warehouse location, and then forwarded to MSA's 2101M warehouse personnel, who will check each item for the existence of a green tag.

- During August, \$7,775.92 worth of items on a Declaration of Excess (DOE) was sent to MSA's Asset Control. Two more DOEs totaling \$73,297.26 were sent to the field for signature.

Interface Management support continued in August:

- Continued to work with AMH and within CHPRC on resolution of issues related to scheduling of AMH exams for CHPRC workers.
- A joint AMH/CHPRC facilitated session was held August 19, 2010 to review processes and discuss how CHPRC can improve the current CHPRC processes for developing Employee Job Task Analysis (EJTAs) and AMH medical exams. Follow-up actions identified during the session included improving the CHPRC process for feedback of exam results to subcontractors, revisiting the need for AMH exams for subcontractor DOT/CDL drivers and crane operators, revising CHPRC procedures and subcontract provisions to better communicate requirements and processes, and training CHPRC Project Managers/BTRs/Buyers and subcontractors on requirements, processes, and available tools to improve preparation of EJTAs and scheduling AMH exams to minimize impact on worker time. Worked with the CHPRC Projects and Advanced Technologies and Laboratories (ATL) to develop a new Administrative Interface Agreement between ATL and CHPRC documenting CHPRC's high radiation sample needs for the Hanford Site Chronic Beryllium Disease Prevention Program and the process for sending select samples to offsite laboratories if required to meet CHPRC safety requirements. Interface Management also supported CHPRC's obtaining the required work turndown from HAMTC to send high radiation asbestos samples and select high radiation beryllium samples to offsite laboratories for analysis and preparation and submittal of the required request to RL for approval to deviate from the DOE J-3, *Hanford Site Services and Interface Requirements Matrix*, to use offsite laboratories for high radiation asbestos and beryllium samples.
- At the request of Pacific Northwest National Laboratory (PNNL), Interface Management initiated discussions with PNNL on a proposed update to the Memorandum of Agreement between CHPRC and PNNL for the Performance and Payment of Services.
- Worked with MSA Electrical Utilities and the CHPRC Soil and Groundwater Remediation Project to reach agreement on how to address MSA concerns related to the proximity of some of the on grade groundwater pump and treat transfer lines to Hanford Site electrical lines. As a part of the resolution, a proposed new Administrative Interface Agreement between CHPRC and MSA addressing interfaces between MSA Electrical Utilities infrastructure and CHPRC Soil and Groundwater Remediation (S&GW) Project Pump-and-Treat process equipment.
- CHPRC Project Controls and Interface Management worked with MSA to finalize a forecast of CHPRC requirements for MSA services through FY2011. In support of AMHs planned roll-out of the AMH Hanford Patient Information Portal, Interface Management generated a draft of a new Administrative Interface Agreement proposed by AMH to be between AMH and CHPRC on use of the AMH Hanford Patient Information Portal.
- In preparation for operation of the 242-A Evaporator, MSA installed an orifice in the water feed to the 200 East Area water truck fill station near Gate 814 to reduce water pressure changes at the 242A Evaporator caused by filling of water trucks. This change dramatically slowed down the fill rate for the water trucks supporting CHPRC waste site remediation and waste retrieval activities, hampering CHPRC progress in the field. Interface Management worked with MSA to implement temporary changes to lessen the impact to CHPRC. These changes included gaining CHPRC access to the ERDF water truck fill station at 6618D and installing a portable stand tank at the Gate 814 fill station. CHPRC continues to work with MSA on a long term solution.

- Interface Management supported community outreach by providing the tour guide for a public Hanford site tour.

Engineering, Projects and Construction (EPC)

RL provided a response to letter CHPRC-1000326 addressing seismic criteria. An update to the PRC seismic spectra is being incorporated in PRC Engineering procedures. This new spectra will satisfy the requirements of DOE-STD-1020-2002 & DOE-STD-1189 and the SCR D O 420.1B Rev. 4, Section E (5) PRC-Natural Phenomena Hazards Mitigation for DOE Facilities.

Central Engineering support for August included:

- Provided technical support to disposition comments for the Hanford Site Electrical Safety Program, DOE-0359. This document establishes the Hanford Site Electrical Safety Program (HSESP). The HSESP provides the requirements for electrical safe work practices and electrical safety training.
- Provided an ASME B31.1 code interpretation for piping systems being modified at Maintenance and Storage Facility (MASF) Building 437.
- Issued three Chief Engineer Messages. CHPRC Chief Engineer Message 2010-02 describes the implementation of the graded approach for electrical procurements; CHPRC Chief Engineer Message 2010-03 describes the process for changing the category designation for Configured Drawings; CHPRC Chief Engineer Message 2010-04 describes the process for creating and managing PRC Altered Item Drawings from vendor supplied drawings.
- Completed arc flash calculations for WCH. The scope of this task included the three phase portions of power systems located at various facilities (15 sites) in the 100, 200, 300 and 600 Areas. Completion of this task has enabled WCH to provide arc flash warning labels on equipment, and are now in full compliance with NFPA 70E.
- Provided to RL a root cause analysis and corrective action for the rejected HEPA filters listed on the Semi-Annual Report on the Filter Test Facility (FTF) data for the first six months of FY2010.
- Continued to provide technical direction and design review to Sludge Treatment, 200W Pump-and-Treat, and Waste and Fuels Management Project (W&FM) retrieval and treatment construction projects.
- Continued to provide technical support to the ARRA facilities projects, including Statement of Work (SOW) review and approval, detailed design drawing checking and approval, calculation preparation, submittal reviews, Facility Modification Packages (FMPs), Design Change Notices, Memorandum of Understanding review and approval, and field walk downs at the mobile office construction sites. Significant reviews/comments were provided for the Next Generation TRU Trench Face Process System Preliminary Design Review Plan and the KE Core Removal Project Formal Design Review Plan.

Communications and Outreach

CHPRC Public Affairs submitted the ARRA weekly report (with video and photos) to RL per Contract No. DE-AC06-08RL14788 – Modification M047. Videos produced in August showcased CHPRC cleanup progress in all scope areas across the Hanford Site: demolition atop Rattlesnake Mountain at the Arid Lands Ecology Reserve, followed by demolition of access control structures at the Plutonium Finishing Plant and demolition of two reactor support facilities in the 100K Area. A video was also produced to follow-up on Box 82, a box of transuranic waste being removed from underground storage in the trench.

In addition to the weekly report, Public Affairs published its weekly *Recovery Act Update* streamlining weekly progress into a one-page, photo-filled publication for the public audience. Current issues of the newsletter are available on CHPRC's external web and feature project progress as well as CHPRC's efforts to share job opportunities and career development with local veterans.

The August issue of *On the Plateau* highlighted demolition of the 116KE Reactor Exhaust Stack, efficiencies in glovebox loading techniques, waste retrieval in the 200 West Area, clearing of the U Canyon deck, and construction of the 200 West Groundwater Treatment Facility.

The Tri-City Herald featured CHPRC and Recovery Act hire Ty Rose in an article (August 9, 2010) and an editorial (August 29, 2010) about the impact of the stimulus bill on the State of Washington. Rose also introduced Senator Patty Murray at a campaign rally August 19, where he spoke about the opportunities provided to him at Hanford thanks to Recovery Act funding. The definition of "lives touched" was provided to a freelance reporter who used it in the August 19, The Daily Caller blog. The feature was mentioned in numerous media including Fox News and Friends and Weapons Complex Monitor.

At the request of RL, Public Affairs submitted potential articles for DOE Office of Environmental Management (DOE-EM) to showcase progress across the DOE complex. The most recent DOE-EM Recovery Act Newsletter featured CHPRC's demolition of the U Plant ancillary facilities. DOE-EM also published a News Flash about CHPRC's explosive demolition of the 116KE Reactor Exhaust Stack. For future DOE-EM publications, CHPRC submitted two articles demonstrating its outreach to the tribal nations through cleanup on the Arid Lands Ecology (ALE) Reserve and through local career outreach events, as well as a profile on the drilling subcontractor Carpenter Drilling.

Working with Business Services, Communications updated the Employee Incentive metrics chart and created graphics and a communications plan to distribute electronic and hard copy poster versions. We then worked with HR and IT to update the HR/Rewards and Recognitions web page (added a new "print poster" selection).

Supporting the Environmental organization, we coordinated an August *InSite* feature about recycling (paper, toner, and plastic bottles) to meet EMS objectives, targets and DOE goals.

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.

ARRA

Sixty-seven gloveboxes and hoods have been removed from their originally installed locations at PFP with Recovery Act funds. Of these, 61 have been shipped out of PFP for treatment or disposal, one has been packaged into an IP-2 waste shipping container awaiting shipment, and five are staged for future size reduction and disposal as transuranic (TRU) waste. CHPRC has now shipped approximately 1,493 cubic meters of waste from PFP with support from Recovery Act funds, including 1,310 cubic meters of low level and mixed low level waste (LLW/MLLW), 161 cubic meters of TRU waste, and 22 cubic meters of non-radioactive waste.

234-5Z Laboratory Areas – Preparations continued in the Analytical Lab for in-situ size reduction of five gloveboxes and hoods that failed to meet LLW criteria after completion of decontamination efforts. These components will be sized-reduced as necessary to allow placement into Standard Waste Boxes (SWBs) for disposal as TRU waste.

Plutonium Processing Areas – In the former processing areas, chemical decontamination is continuing on three gloveboxes in Room 235B using the RadPro process, and cold testing was initiated on the Aspigel® product, a complimentary process planned for use on liquid processing gloveboxes where RadPro is expected to be less effective. Surface Contaminated Object surveys of Glovebox HC-230C-3 have revealed areas of high contamination around several windows, and removal of the windows and associated gaskets has been initiated. External isolations continued on Gloveboxes HA-46 and 227-S, and preparations were initiated to isolate Glovebox 200 from building ventilation.

Infrastructure Systems – Non-destructive assay (NDA) measurements on the process vacuum system and transfer lines are 75% complete. To date, 54 feet of process vacuum piping has been removed, sized- reduced, and eight waste packages were handed off to Solid Waste operations for disposition. During the month of August, 495 feet of asbestos insulation was removed, bringing the total for asbestos insulation removed with Recovery Act funds to more than 10,230 feet and the total for CHPRC to more than 10,795 feet.

2736Z/ZB Vault Facility – Completed 50% of the electrical deactivation, conduit removal, and radiological shielding removal associated with Glovebox 642.

242Z Americium Recovery Facility – The 242Z Team prepared the gloveboxes and applied the next coats of fixative. Removal of the false floor in the air lock was completed and a new containment tent was installed. The work package to change the E-3 filters in Room 262 of the 234-5Z building was completed resulting in restoration of proper air flow in 242Z and allowing the team to exit the LCO and begin D&D work activities.

Base

236Z Plutonium Reclamation Facility – The pulser glovebox was successfully removed from PRF, placed into a SWB and shipped. The removal of the pH glovebox was initiated and equipment removal from the east gallery glovebox continued and is approximately 60% complete.

On July 15, the PRF Canyon Crane failed. A containment tent for canyon entries was installed and canyon entries to repair the crane were initiated. During the canyon entries, there were two events involving breathing air. As a result of numerous breathing air events, breathing air work was suspended until corrective actions are completed. Review of the events and corrective actions are under way.

RL-0012 Spent Nuclear Fuel Stabilization and Disposition

In preparation of sampling of the Settler Tank sludge from Engineered Container (EC)-230, STP and 100K have approved procedure OP-70-151W, “Load and Ship Sludge Samples in Type A Containers”, and OP-43-039W, “Obtain Sludge Samples from 105KW Basin Storage Containers”. All construction activities associated with the ability to insert the extraction tubes have been completed and the Management Self Assessment was initiated.

A revision of the Knockout Pot (KOP) proof of dryness analysis was issued. The analysis concluded that the same proof of dryness test that has been used for previous Multi-Canister Overpacks (MCOs) can be applied to the KOP MCOs. The document was updated to incorporate the KOP MCO basket insert dimension change and to include analysis on the effect of surface tension. In addition, the developmental testing for the Size Separation, Verification Container Loading, and Insert Packaging hardware was successfully completed. The KOP Disposition subproject completed the draft of the Preliminary Design Report for the KOP Processing System KPS. An internal STP design review was held and the review comments incorporated into the document. The Formal Design Review will commence in September.

The MASF continues to prepare for the initial tests for the XAGO Retrieval Test, the Overfill Retrieval Test, and the Decant Tests for the Engineered Container Retrieval and Transport Systems (ECRTS), as well as continued support to the KOP Pretreatment Separations and Sorting testing. For ECRTS, MASF completed the mezzanine installation and then placed the Transfer Box and Decant Box in place on top of the mezzanine to replicate the planned configuration of the K West Annex facility. They also received and placed the Sand Filter box in an interim location pending parking the Sludge Transfer and Storage Cask Trailer under the mezzanine. For the KOP Disposition Subproject, developmental testing for the Size Separation, Verification Container Loading, and Insert Packaging hardware was successfully completed. The electrical utilities at MASF have been upgraded around the perimeter of the facility with extensions to strategic locations (i.e., top of the mezzanine) to support testing requirements.

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

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

ARRA

Weekly and monthly Recovery Act Reporting continued. Mixed Low Level Waste size reduced and repackaged 40.4 m³ of TRU/M at PermaFix Northwest (PFNW). M-91-42: shipped 2.2 m³ and completed 10.3 m³ during month, M-91-43: shipped 0.2 m³ and completed 4.3 m³ during month, TRU Retrieval completed repackaging 3A Trench 17 Box 82 contents (43.5 m³) into three, Type A metal boxes and shipped to CWC. Next Generation Retrieval completed installation of the Real-Time Radiography System and Drum Warming Unit and initiated the associated Acceptance Testing. TRU Repackaging processed 70 parent drums; created 81 offspring drums; generated seven drums from glovebag change outs; compacted 256 empty parent drums, and generated 45 full puck drums. Waste Receiving and Processing Facility (WRAP) - Nondestructive examination: 343 drums (274 for Central Characterization Project [CCP]); Nondestructive Assay: 382 drums (226 for CCP); received 39 drums from PFP. TRU Waste had 18 shipments to Idaho in August. TRU Disposition to continue interface with CCP for the remaining Hanford certified backlog of 217 drums.

Base

The WFMP continued maintaining facilities in a safe and compliant condition. Waste Encapsulation and Storage Facility issued a Notice to Proceed for an Alternative Analysis and Conceptual Design Report to Applied Research and Engineering Sciences Corporation in support of the K1/K3 ventilation upgrades. Canister Storage Building completed MCO Handling Machine tests and inspections. T Plant: shipped 71 containers from T Plant; shipped one ERDF container to ERDF and received one empty container in return, and received 48 containers to T Plant. Central Waste Complex (CWC) completed receipt and off-loading of two Hopewell casks shipped in 10-160B cask from Washington Closure 324 building, shipped five offsite shipments (16 containers); shipped 15 on-site transfers (192 containers); received 15 on-site transfers (277 containers); received two returned shipments (26 containers). Low Level Burial Grounds Mixed Waste Trench (MWT) – Received 16 shipments, 42 containers; MWT – Shipped four leachate tankers to Effluent Treatment Facility (ETF). Liquid Effluent Facilities (LEF) received 32 tankers (42k gallons). Off Site Spent Nuclear Fuel (SNF) Disposition completed Phase 1 construction of Project W-105, Interim Storage Cask Pad #3.

RL-0030 Soil, Groundwater and Vadose Zone Remediation

ARRA

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

Activity	August		Cumulative	
	Planned	Completed	Planned	Completed
Well Drilling (# of wells) -352	30	4	271	260
Well Decommissioning (# of wells) -350	17	4	152	174
200 West P&T – Final Design (%)	17	6	80	83
200 West P&T – Construction (%)	3	2	21	23
200 West P&T – Testing/Startup (%)	2	4	11	14
100 DX P&T – Construction/Startup (%)	10	0 ⁽¹⁾	93	98

(1) Actual percent completed in August was 3%; there is a negative current period BCWP because of work accelerated with ARRA funds; cumulative progress is positive.

Base

Base work includes the pump-and-treat operations, CERCLA remedial processes, and documentation for the River Corridor and Central Plateau. Phase 2 realignment construction actions and acceptance testing of affected components at the KR4 system was completed. Phase 2 realignment construction actions were completed at the KX system and acceptance testing is 98% complete. The second of three rounds of aquifer tube sampling was completed at the 100-HR-3 Operable Unit. Sampling and groundwater treatment completed in August includes the following:

- 227 well locations were sampled with a total of 850 samples being collected
- 161 aquifer tube samples were collected from 45 tubes at 20 sites
- 1.34M gallons groundwater treated by ZP-1 treatment facility
- 19.9M gallons groundwater treated by KX treatment facility
- 8.56M gallons groundwater treated by KW treatment facility
- 9.4M gallons groundwater treated by KR-4 treatment facility
- 5.9M gallons groundwater treated by HR-3 treatment facility
- 2M gallons groundwater treated by DR-5 treatment facility

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

ARRA

Continued with load out of 224U and 224UA

Continuing upper ALE demolition activities. Completed the demolition of 6652C. Debris pile sites cleanup activities are temporarily on hold due to high fire danger levels. Continued cold and dark and characterization activities on 6633, 6636, and 6637.

Asbestos abatement activities in the operating and pipe galleries at U Canyon are in progress. Contracts have been placed for grout and core drilling to convey the grout into the canyon. A cask to support the removal of the D-10 Tank has been ordered with an expected delivery date of December 16, 2010.

Continued with loadout of 272E Building and demolition of 275E. Continued beryllium sampling and initial characterization activities on the 200 West structures.

Continued planning of the North Slope debris pile cleanup

CERCLA documentation for railcars progressing as planned

Remediation activities continued in the Outer Zone at BC Control area, CW-3 waste sites, and Model Group (MG)-1 waste sites. BC Control Area remediated approximately 30,000 tons of soil in August; approximately 54 acres of BC Control Area, Zone A, have been cleared to date. Initial excavation at CW-3 waste site 216-N-4 and waste site 216-N-6 was completed, pending verification sampling. Approximately 8,000 tons of soil was removed from CW-3 sites during August.

Sampling/surveys have been completed on 17 MG-1 sites. Approximately 1,000 tons of soil was remediated from MG-1 sites in August.

Base

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

Initiated planning and remediation of failed Confirmatory Sampling No Further Action (CSNFA) sites in MG-1.

RL-0041 Nuclear Facility D&D, River Corridor

ARRA

Facilities

Work continued on 105KE Reactor Disposition Interim Safe Storage activities. Hazardous material removal continued into August with asbestos removal completing on the east side of the reactor building. K East discharge chute demolition planning began in August with the development of the Documented Safety Analysis (DSA), waste and transportation documentation, and work package planning.

Began demolition of 115KE Gas Recirculation Building

Completed above-grade demolition/debris load-out of 116KE Stack

Began demolition of 117KE Exhaust Air Filter Building

Completed asbestos cleanup and continued pot-holing concrete and cleanup of the 1706KE Radiation Control Counting Laboratory and 1706KER Water Studies Recirculation Building below-grade levels

Completed demolition of the 183.1KW Head House

Continued demolition of the 183.2KW Sedimentation Basin, the 183.3KW Sand Filter, and the 183.7KW Tunnel

Continued characterization of the 183.1KE Head House

Waste Sites

The following table lists ARRA work sites and their current month production.

Active Excavation on ARRA Waste Site	August 2010		Contract to Date (9/28/09 – present)	
	Tons	Loads	Tons	Loads
100-K-3	-	-	5,507	392
100-K-42	-	-	9,688	660
100-K-47	-	-	17,393	1077
100-K-56	-	-	11,839	740
100-K-68	-	-	9,477	476
100-K-71	-	-	7,569	467
100-K-102	5419	279	17,159	899
116-KE-3	-	-	4,328	217
120-KW-1	4,724	273	22,899	1,239
183.1-Soils	-	-	12,291	625
183.1-Debris	69	5	9,038	562
100K-63	22,137	1044	29,950	1415
100-K-53	-	-	350	24
Total	32,349	1,601	157,488	8,793

Active excavation work continued at 120-KW-1, 100-K-63 and 100-K-102. Additional crews were brought in to recover schedule yielding record production rates

Waste site 120-KW-1 is a large excavation that includes waste sites 100-K-18, 100-K-34 and 120-KW-2. Due to the comingling waste streams, the site is being excavated under one waste site name, specifically 120-KW-1. This site was advanced from 6 feet below grade to 15 feet below grade in order to successfully remove the associated contamination. 100-K-63 is being excavated under contract direction that establishes a not-to-exceed value of \$5M. Given the current ability to increase production rates, this waste site will meet the do-not-exceed constraint before mid-September.

Additional excavation is pending in 100-K-42, 100-K-47, and 116-KE-3. Work remains suspended on UPR-100-K-1 (work performed as 100-K-42), 100-K-3, 100-K-53, 100-K-56, 100-K-68, 100-K-69, 100-K-70, 100-K-71, 100-K-77, and 116-KE-1 until D4 completes their activities in the immediate areas. 100-K-57 and 100-K-64 are suspended pending contractual action and preparation of a Cultural Mitigation Action Plan. Only those sites associated with the cultural mitigation plan are currently in jeopardy of missing the Tri-Party Agreement (TPA) milestones. Plans are being made to address the additional contamination removal where available.

Other

Sludge vacuuming completed in K West Basin Center Bay and began in the West Bay with a targeted completion date for sludge removal of September 30, 2010. Over 610 debris units have been removed from the K West Basin to-date.

HVAC Project: Work continues on the K West Basin Airborne Contamination Remediation Project; all 810 linear feet of interior ducting has been installed; this includes drops and diffusers.

Approximately 391 feet of insulation for the vent ducting has been installed, resulting in 65% completion. The concrete pads for the three HVAC/HEPA skids are complete; the three HVAC/HEPA units are complete and are en-route to the 100K Site. Activities to define procedural and training requirements are in progress.

Electrical Project: Work continued on the 100K Reactor Power Isolation Project with continued installation of skid components and necessary testing of the five skids. Trenching and installation of the

new conduit duct bank from the new Switchgear Building to two skids is complete. All control cables for the substation have been pulled and terminated, including termination of the cables to the transformers. Fabrication activities for the mobile control substation are complete. Delivery of the first and second transformer was accelerated to August 26, 2010. The 13.8kv project is underway with installation of 17 of 20 new 13.8kv poles installed.

Water Project: Work continued on the 100K River Water Infrastructure Isolation Project with completion of the inside-the-fence fire water and potable water piping (Phases II, III, and IV) installation (Balance of Piping). Installation of the import water line outside-the-fence to Helen's Junction is complete, and final tie-in to the raw water line is scheduled for August 29, 2010. Interior walls, mechanical components, and electrical wiring are being installed inside the Water Treatment Building with placement of the Microfiltration Unit set for early September. The Dual Use Water Tank has been installed, painted, and is awaiting fill/hydro testing on September 1, 2010. The subcontractor has removed rock piles from the export water line excavation site and is preparing for hydro seeding. Activities to define procedural and training requirements are in progress.

Base

Facilities

105KE Reactor Disposition EE/CA Draft A is being reviewed by the regulators. Developmental testing of the bio-shield wall demolition was completed in August. The 60% design submittal is on schedule to be completed October 15, 2010.

Completed characterization and continued deactivation of 110KW Gas Storage Facility

Continued characterization and deactivation of the 115KW Gas Recirculation Building

Completed deactivation and began demolition of the 117KW Exhaust Air Filter Building

The 118KW Horizontal Control Rod Storage Cave has been decontaminated and is ready for demolition

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

Deactivation is on hold for four K West mobile offices to be removed as a group (MO236, MO237, MO323, and MO955) once the occupants have been moved to other buildings.

Waste Sites

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

Waste Site	August 2010		Cumulative (9/28/09 – present)	
	Tons	Loads	Tons	Loads
100-K-4	-	-	2,989	210
1607-K3	1,571	81	1,571	81
100-K-109	7,502	413	7,502	413
Totals	9,073	494	12,062	704

Excavation on a newly discovered site 100-K-109 was completed to the original planned design lines and grades. Preliminary sample results indicate that the bottom of the excavation is fairly clean, but a shallow lens of contamination may continue along the railroad line outside of the initially perceived limits of the waste site.

Waste that was stockpiled from 1607-K3 was loaded and shipped to ERDF for disposal.

RL-0042 Fast Flux Test Facility (FFTF) Closure

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

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

KEY ACCOMPLISHMENTS

RL-0011 Nuclear Materials Stabilization and Disposition

11.02 Maintain Safe and Compliant PFP – Base

- The 2736Z Complex was transitioned into its D&D mission documented safety analysis, which will allow for readying the facility for demolition

11.05 Disposition PFP Facility – Base

Plutonium Reclamation Facility (PRF)

- The pulser glovebox was removed, placed into a SWB, and shipped
- The removal of the pH glovebox was initiated
- Equipment removal from the east gallery glovebox continued
- Corrective actions associated with breathing air issues were initiated

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

- In RMA Line Room 235B, the team performed RadPro[®] chemical decontamination in gloveboxes HA-21I, HA-22, and Conveyor HA-28
- In RMA Line Room 232, work continued to remove the remaining external mechanical connections to Glovebox HA-46 and prepare for a characterization entry into the HA-46 process cell
- In RMC Line Room 227, the mechanical isolation of lines to Glovebox HC-227S continued. In addition, preparations were initiated for removal of transfer lines in Rooms 228A and 228B.
- In RMC Line Room 230C, the team provided support to CHPRC Engineering Projects and Construction (EPC) to complete the Door 638 modification. Glovebox HC-60 was relocated to Room 230A in preparation for removal from 234-5Z when the Door 108 modification is complete. Removal activities for Gloveboxes HC-230C-3, HC-230C-4, and HC-230C-5 were initiated. The shielding panels and windows for Glovebox HC-230C-3 were removed.
- In the RADTU area, Room 235D, the D&D team completed the visual characterization of GB300 and the external demister tank, removal of E4 duct work for GB400 was completed, and mechanical isolation for GB200 was initiated

Analytical Laboratory:

- Process equipment removal continued for the six gloveboxes in Room 139
- The work package for in-situ size reduction of five gloveboxes within the A-Labs has been approved and presented to the Hazard Review Board (HRB). Final Board approval is expected the end of August, with size reduction efforts getting under way in September.

Plutonium Process Support Laboratories:

- 180-1 hood was decontaminated, separated from its E4 connection, and transferred to Solid Waste Operations for disposal as Low Level Waste (LLW)

242Z Americium Recovery Facility

- Completed work package to change the E-3 filters located in Room 262 of 234-5Z
- Completed application of a second coat of fixative in the control room
- Removed the false floor in the air lock, packaged the waste and sent the drums to waste operations

2736Z/ZB Vault Complex

- Electrically Isolated and removed approximately 50% of the electrical conduit supporting Room 642 gloveboxes and Room 641 equipment
- Removed approximately 50% of the shielding around the gloveboxes in Room 642

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

- ECRTS and STP Project Management personnel briefed RL on the current status of the modified K West Annex Design
- ECRTS and STP Project Management personnel met with K West Basin personnel to brief them on the status of the ECRTS Design, the layout in the K West Basin, and the requirements for basin debris removal/relocation
- The STP Joint Test Group (JTG) reviewed the Test Specification for the ECRTS Overfill Recovery Test. JTG comments were incorporated into the specification and the specification was re-submitted for approval.
- The project released PRC-STP-00307, *Engineered Container Retrieval and Transfer System Conceptual Design Seismic Limit States*
- As a prerequisite for sampling settler sludge from EC-230, the project released A21C-STP-SPL-001, Rev 3, *Spare Parts Listing Sludge Treatment Project Sampling and Retrieval*
- HNF-40089, Rev 2, *Conduct of K West Basin Sludge Sampling Campaign*, was released. This documents the expected sludge volumes that the operations personnel can expect to draw at each location of the isolation and extraction tubes. It also has the checklist that the lead sampling engineer uses during the sampling operations.
- Fabrication and installation of hoses and other equipment for testing the Overfill Retrieval System was initiated, the test procedure development is on-going, and the draft test specification is being updated to incorporate JTG comments
- AREVA Federal Services completed its structural review of the MCO cask/MCO with the KOP product material and the copper inserts. The review found that the addition of the KOP product material and the copper inserts is bounded by the original MCO Cask structural analysis, thus not requiring any additional structural reviews.
- An expression of interest (EOI) notice has been prepared to establish and qualify a list of prospective bidders for the design of the Alternative Interim Storage (AIS) facility. The EOI was issued on August 25, 2010 and required replies by September 2, 2010.
- The Phase 2 subcontractors continue to make progress on the demonstration of potential technologies that can be deployed to “treat” the engineered container and settler tank sludge streams

RL-0013 Waste and Fuels Management Project

ARRA

13.01 Project Management

- Completed weekly and monthly ARRA reporting
- Continued Project Management support for fast track projects

13.04 Mixed Low Level Waste (MLLW) Treatment

- Size reduced and repackaged 40.4 m³ of TRU/M at PFNW
 - NDA of the repackaged containers is ongoing at WRAP, will transition to NDA at PFNW by mid-September
 - M/LLW dropouts to be processed/treated at PFNW for return to Hanford for disposal
- Acceptance for the “Hexone” box has been approved by PFNW, and shipment from ES-Clive scheduled for September 2, 2010
- M-91-42 TPA (*Small Container CH-MLLW*)
 - 2.2 m³ shipped and 10.3 m³ completed during month
 - 2003: 8,219 m³ shipped and 8,191 m³ completed since January 2003 (ARRA and BASE)
- M-91-43 TPA (*RH & Large Container MLLW*)
 - 0.2 m³ shipped and 4.3 m³ completed during month
 - 731 m³ shipped and 711 m³ completed since January 2003 (ARRA and BASE)
- M-91-44 TPA (*Large Container TRUM Repackaging*)
 - Total for month: 0 m³ shipped and 0 m³ complete
 - Accumulated total: 40.5 m³ shipped and 0 m³ complete

13.05 TRU Retrieval

- Completed repackaging 3A Trench 17 Box 82 contents (43.5 m³) into three, Type A metal boxes and shipped to CWC
- Completed installation of power poles for permanent power at 3A
- Started removal of 3A Trench 17 Box 2
- Completed excavating ramp into 3A Trench 17 for Box 81 removal
- Completed 3A Trench 8 site preparation activities including trench marking, creating a high-dose shielding zone, and establishing haul roads
- Implemented new 3A Trench 8 excavation (SW-100-201 and -202) and retrieval (SW-100-163) procedures
- Completed remaining pre-start corrective actions, W&FM Internal Review, and Independent Review, and received authorization to proceed with 3A Trench 8 retrieval
- Began removal of ~3 feet overburden from 3A Trench 8, in preparation for second sub-surface geophysical survey for remaining ~1 feet overburden
- Performed subsurface geophysical survey of remainder of 4B Trench 11
- Developed work package and automated job hazard analysis for Trench 11 Excavator Interrogation of Event Site
- Next Generation Retrieval
 - Completed the Operability Test for the Passive/Active Neutron Assay Unit
 - Completed installation of the Real-Time Radiography System and Drum Warming Unit and initiated the Acceptance Test
 - Validated and approved procedure SW-100-178, Operation of Gamma Assay

13.06 TRU Repackaging

- Processed 70 parent drums – created 81 offspring drums
- Generated seven drums from glovebag change outs
- Compacted 256 empty parent drums – generated 45 full puck drums

13.07 Waste Receiving and Processing Facility (WRAP)

- NDE: 343 drums (274 for CCP)
- NDA: 382 drums (226 for CCP)
- Received 39 TRU drums from PFP
- Continued TRU Waste Shipments to Idaho - Total for Month:18, Total to date:31
- Management Directive on source shipments reworked and in final review
- Continued Headspace and Flam Gas Sampling (361) in support of CCP
- Started Super High Efficiency Neutron Counter Assay System counter operations, including walk-downs, new procedure validations, and initiation of Non-WIPP SWB assays
- Qualified two WRAP First Line Managers (ARRA) in Core Certification and one in TRUPACT II
- Qualified/Re-qualified seven Nuclear Chemical Operators (ARRA) for Shipping and Receiving

13.15 TRU Disposition

- Continued interface with CCP for the remaining Hanford certified backlog (217 drums)
 - 171 drums assigned to 51 SWB build lists
 - 46 drums being worked with CCP Waste Certification Officials and Transportation Certification Officials (WCO/TCO)
- Supported Large Box to Perma-fix process. Received initial 21 drums; initial assay results indicate 20 drums are low-level waste.
- Supported review, clearance and issuance of Source Documents for three waste streams (209E, RLMWARD, and GE-Valecetos). The CCP AK-Documents to be issued in October.
- CCP Support
 - Supported CBFO/RL/CCP/CHPRC Management Assessments for transportation and characterization efficiencies
- RH/CH Interface
 - Initiated planning and communication with Operations and Support organizations to develop a Rough Order of Magnitude (ROM) cost and schedule for initiating RH TRU Waste shipment
 - Completed the review of the Functions and Requirements documents for the RH-TRU 72-B Cask Shipping Capability document
 - Completed the review of the Functions and Requirements document for the Hanford RH/Large Package Processing Capability document
 - Supported Waste Services for the review of the U Plant, Tank D-10 relocation to T-Plant waste profile

Base**13.02 Waste Encapsulation and Storage Facility (WESF)**

- WESF K1 and K3 Heating, Ventilation, and Air Conditioning Upgrades
 - Issued Notice to Proceed on Alternative Analysis and Conceptual Design Report to Applied Research and Engineering Sciences Corporation
 - Participated in alternative analysis facilitated session and down selected potential design solutions
 - Completed Project Execution Plan
 - Completed repairs to Cooling Water System K5-16-3
 - Completed repairs to the Wet Surface Film Coolers #3 Spray Pump
- Operations
 - Repackaged recyclable items to new environmental requirements

13.03 Canister Storage Building

- Completed MCO Handling Machine tests and inspections
- Completed annual sampling of MCO #H006
- Completed implementation of ISA Facility Safety Analysis Report annual update
- Continued to support Container Restraint System (CRS) construction activities

13.07 Waste Receiving and Processing Facility (WRAP)

- Maintained the facility in a safe and compliant condition

13.08 T Plant

- Shipped 71 containers from T Plant
- Shipped one ERDF container to ERDF and received one empty container in return
- Received 48 containers to T Plant
- Elevator Repair
 - Elevator repair is on-going and on schedule for repairs to be completed early September
- ACT II Filter Replacement
 - New filters have passed FTF inspection and testing and are now with Acquisition Verification Services (AVS), pending no issues AVS expects filters to arrive September 15 and facility plans to install and test by the end of September 2010
- 216-Z-9 Repack Campaign
 - Most 219-Z-9 containers fall into the configuration of an unvented 90 mil liner, 216-Z-9 drums as part of the Justification for Continued Operation (JCO) are in the process of being vented at T Plant, 2706T facility through the Act I Filters. Venting will accelerate when Act II is complete and processing will commence once the JCO is terminated.

13.08 Central Waste Complex (CWC)

- Shipped five offsite shipments, 16 containers
- Shipped 15 on-site transfers, 192 containers
- Received 15 on-site transfers, 277 containers
- Received two offsite shipments, 26 container
- LLBG
 - MWT – Received 16 offsite shipments, 42 containers
 - MWT – Shipped four leachate tankers to ETF
- Completed receipt and off-loading of two Hopewell casks shipped in 10-160B cask from Washington Closure 324 building

- TRU Retrieval Support Medium Box Repair – Construction completed work change notice (WCN) to work package and obtained HRB approval to proceed with box repairs. Second box completed with three boxes remaining. Secured all railroad ties to boxes scheduled to be lifted.
- Shipped two of three low flash point units from CWC to ERDF
- Replaced plastic plugs with metal plugs in all 212N boxes in preparation for shipment to treatment facility
- Completed assay campaign 39. Seven boxes were assayed, four fiberglass-reinforced packages and three metal boxes. Assay results are pending.
- Received Super 7A box at the CWC expansion area
- Completed all required inspections at the Integrated Disposal Facility

13.11 Liquid Effluent Facilities (LEF)

- Received (August) 32 tankers (42k gallons)
- Treated effluent to State-Approved Land Disposal Site: 1.28M gallons; (CY 12.2M gallons)
- 200A Treated Effluent Disposal Facility (TEDF) discharged 37M; (CY 187M gallons)
- Received ERDF leachate (120k gallons) at Liquid Effluent Retention Facility (LERF) Basin 43
- Shipped 30 drums of waste to the ERDF
- Transferred 24 drums to Sump 1 for processing through the evaporator
 - Received 19 drums of Waste Sampling and Characterization Facility wastewater
 - Continued with Basin 44 Campaign (processed 2.17M gallons)
 - Received 2,000 gallons of 50% sodium hydroxide
 - Replaced solenoids on the Thin Film Dryer Conveyor System
 - Repaired failed rupture disks on ultraviolet/oxidation unit #1
 - Replaced motor on vessel off gas blower
 - Completed repairs to the 2nd reverse osmosis booster pump
 - Repaired leaking TEDF D-Line (backfill of excavation remains to be done)
 - Repaired customer waste line to the concentrate tanks
- 300 Area Facilities
 - Operating the Retention Transfer System (RTS); 20 batches (600,000 gallons) discharged to the City of Richland
 - Continued performing preventive maintenance activities at 310/340 for systems that will remain active after turnover (heating, ventilation and air conditioning, fire, and compressed air)
 - Received RL approval of revised 340 hazard categorization
 - Continued RTS training for Nuclear Chemical Operators and Shift Operations Managers

13.12 Integrated Disposal Facility

- Completed required annual inspections and calibrations

13.16 Off Site Spent Nuclear Fuel (SNF) Disposition

- Slightly Irradiated Fuel
 - Completed phase 1 construction of the CRS for Project W-105, Interim Storage Cask Pad #3

13.21 Mixed Waste Disposal Trenches

- Maintained the trenches in a safe and compliant condition

RL-0030 Soil and Groundwater Remediation**ARRA - GW Capital Asset**

Drilling	August		Cumulative	
	Planned	Completed	Planned	Completed
M-24 -5 wells	1	0	5	5
200-ZP-1 West P&T Expansion -17 wells	1	1	13	13
Drilling Total	2	1	18	18

EPC Projects in Support of S&GRP - ARRA

- 200W P&T Project - Forty-five Phase I road crossings have been completed. One accelerated Phase II road crossing is under construction. The additional S/SX transfer building is under contract with six of the eight road crossings complete with the final two anticipated completion before the end of September. All welding activities for the transfer piping have been complete for the well to transfer building runs. The first six pieces of steel have been erected for the bridge crane in the BIO buildings. Long lead equipment are fabricating with the first to arrive in late September. BioSec (line stabilization vendor) 90% design submittal received in mid-August.
- Construction of all three buildings for the 100-DX Pump-and-Treat is complete, with the exception of the pH adjustment system at the Process Building and punchlist items. Acceptance Testing is underway and flushing of all injection and extraction well lines was completed August 28, 2010. The civil portion of the chemical tank storage pads was completed with the installation of the roof sheeting on August 24, 2010. The asphalt apron around the Process Building was completed on August 26, 2010.
- 200E Unsecured Core Complex - S&GW2 building main floor slab (315 cu. yd.) placed August 21, 2010; also completed exterior concrete slabs and bollards. Contractor for the EPC 2 build out mobilized August 23, 2010. EPC1 build out was awarded August 24, 2010 to Ojeda. Request for proposal for the S&GW1 build out was issued August 25, 2010; award NLT August 14, 2010. Completed concrete sidewalks at 200E Unsecured Core east mobile site on August 12, 2010.

EPC Projects in Support of S&GRP – Base

- Modutank unloading dock and ramp modification are complete. Construction closeout and turnover to S&GRP Operations on August 12, 2010.
- Construction has begun on the 100-HX Pump-and-Treat Construction Project. The footings and stem walls have been completed for the Treatment Building. Eight of twenty six road crossings are complete. High-density polyethylene (HDPE) pipe laying and bonding is 15% complete.

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

	August		Cumulative	
	Planned	Completed	Planned	Completed
KR-4 RPO – 4 wells	1	0	2	0
KR-4 RI/FS – 13 wells	2	2	10	4
100-NR-2 Barrier Emplacement – 171 wells	20	0	146	171
100-HR-3 Bioremediation TT – 4 wells	1	0	2	0
100-HR-3 H Area RPO – 40 wells	0	0	40	29
100-HR-3 D Area RPO – 30 wells	0	0	30	30
100-HR-3 RI/FS – 15 wells	2	0	9	0
200-BP-5 “K” Well – 1 well	0	0	1	1
200-BP-5 “L” and “M” Well – 2 wells	0	0	2	2
100-BC-5 RI/FS – 6 wells	1	1	6	5
100-FR-3 – 3 wells	0	0	3	0
300 FF-5 RI/FS – 11 wells	1	0	2	0
Drilling Total	28	3	253	242
Decommissioning Total	17	4	152	174

Base - GW Operations**Environmental Strategic Planning:**

- Developed responses/clarifying questions to the paper on plutonium inventory.

Risk and Modeling Integration Group:

- Developed the first draft of exposure scenarios write up for the Inner Area.
- Completed model validation and verification for Solid Waste Landfill cover performance model confirmation.
- Prepared additional follow-on responses to GAO inquiries related to the ongoing GAO audit of DOE use of computer models.
- Conducted on-site RESRAD training, provided by developers from Argonne National Lab.

Integration Management:

- River Corridor RI/FS Path Forward: Finalized the approach for the River Corridor RI/FS documents to screen waste sites against remediation goals and complete alternatives evaluations.
- Coordinated with WCH and RL on the River Corridor Baseline Risk Assessment and how it will support upcoming RI/FS Reports.
- Deep Vadose Zone MPT: Finalized the charter for the new Deep Vadose Zone multi-project team.
- Stakeholder Comments: Began acquisition of “Comment Works” software that will be used to track and document stakeholder comments and comment resolutions.
- WIDS: Revised the TPA procedure for maintaining the Waste Information Data System (TPA-MP-14) with DOE and the projects and presented the draft revised procedure to the regulatory agencies.

Document Review and Standardization:

- The External Document Improvement Team members completed reviews of portions of the 200 D/H RI/FS Report, the 200-West Inner Area Work Plan, PW-1/3/6, and the 200-UP-1 Proposed Plans.

River Corridor

100-BC-5 Operable Unit - Base

- Drilling and sampling was completed on RI/FS well C7508, and drilling and sampling began and continued on C7784 to a depth of 57 feet below ground surface.
- Two boreholes were drilled and sampled to support WCH's planned remediation of the C-7 waste site. Based on the analytical results from these two boreholes, no additional boreholes were necessary.
- The second round of spatial-and-temporal groundwater sampling from existing wells for 100-BC was completed.
- The multi-layer model for 100-BC is complete, and various modeling scenarios have been developed and simulated.

100-FR-3 Operable Unit

- Drilling and sampling was completed on RI/FS well C7790, and drilling and sampling began and continued on well C7792 to a depth of 68 feet below ground surface.
- The second round of spatial-and-temporal groundwater sampling from existing wells for 100-F and IU-2/6 was completed.
- The multi-layer model for 100-F was completed, and various modeling scenarios were developed and simulated.

100-KR-4 Operable Unit - Base

- The updated KR4 pump-and-treat system cultural resource treatment plan comments have been received and being incorporated into the document for issuance.
- Drilling to total depth completed for KR-4 RI wells C7683, C7687, C7691, C7685, and C7690. Well construction and development has been completed for wells C7687, C7691, and C7685. Drilling is continuing at wells C7689 and C7692.
- Drilling of RI borehole C7831 was completed. Drilling of RI borehole C7832 was initiated. Phase 3 procurement has been initiated for long lead items and to begin non-field related construction activities.
- Field work initiated for the KR-4 PLC and well head modifications upgrade.
- On August 26, 2010 the Draft B 100-K West Vadose Zone In Situ Bio-infiltration Treatability Test Plan (DOE/RL-2009-73) was submitted to EPA in fulfillment of TPA Milestone M-015-116, due on August 30, 2010

100-NR-2 Operable Unit - Base

- The SAP developed to allow additional "upwelling" (river porewater) sampling to be conducted from the river bottom along specific portions of the 100-N river shoreline was released as a Draft A and transmitted to RL for subsequent submittal to Ecology.
- The Rev. 0 pilot-scale Jet Injection Treatability Test Report was released and issued.
- The Draft A demonstration-scale (300 feet) Jet Injection TTP was released, issued, and transmitted to RL for Ecology review along with the Rev. 0 pilot-scale Jet Injection Treatability Test Report.
- A proposed TPA Change Notice (CN) was provided to RL and Ecology for a second round of spatial-and-temporal groundwater well sampling in September prior to approval of the RI/FS Work Plan and SAP. Approval of this TPA CN is pending.

100-HR-3 Operable Unit - Base

- HR-3 operated at ~200 gpm after two Ringold Upper Mud wells were connected to the HR-3 facility for long-term operation as extraction wells.
- The second round of aquifer tube sampling was completed in support of the 100-HR-3 RI/FS.
- The 90% Design Review was completed for the design of the In Situ Bioremediation Treatability Study System.
- Draft B of the Treatability Test Plan for Hexavalent Chromium Bioremediation in Groundwater at 100-D (DOE/RL-2009-105) was submitted to fulfill TPA Milestone M-015-115, due on August 30, 2010.

Central Plateau**200-IS-1 Operable Unit – Base**

- RL approved the revised Closure Plan, SAP, SEPA Checklist, and petition for Land Disposal Restrictions variance for the Hexone Storage and Treatment Facility.

200-UP-1 Operable Unit – Base

- Completed the 60% design package for the S-SX extraction system. Completed five of eight pipeline road crossings. Awarded construction subcontract for the transfer building, above ground pipeline, and associated systems.

200-ZP-1 Operable Unit - Base

- Extraction well 299-W11-46 is online pumping water to ETF at a pumping rate of ~25 gpm. The work package to replace this pump is being prepared. ETF is now ready to accept 50 gpm pumping rates once again.
- Drilling and sampling of 18 permanent extraction/injection wells is now complete. Extraction well EW-6 is now at a depth of 305 feet.

Regulatory Decisions and Integration – Base

- Developed the annotated outline for the 200 West Inner Area RI/FS Work Plan.
- 200-WA-1 RI/FS Work Plan Scoping Sessions:
- A final scoping session was held on August 10, 2010. 200-PW-1/3/6 Feasibility Study:
 - The Draft C FS was submitted to DOE for review. The combined PW-1/3/6 and CW-5 decisional Draft PP is also undergoing DOE review.

200-DV-1 Deep Vadose Zone Operable Unit – Base

- Held a 200-DV-1 OU kick-off meeting with Ecology and EPA on August 24, 2010 to help plan the work scope for the PMB under Mod 95.

Deep Vadose Zone Treatability Test Project - Base

- The FTP and SAP for the Desiccation Pilot Test was updated to include comments from the RL and EPA review and is in tech editing at this time in preparation for transmittal to RL and EPA for approval.

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

- U Plant Regional Closure Zone (U-Ancillary Facilities D&D)
 - Continued load out activities on 224U and 224UA
- U Canyon Demolition and Cell 30 Disposition
 - A contract has been awarded for core drilling to support grout activities
 - The contract has been awarded for the cask needed to ship the T-10 tank to T Plant
 - Grout supply contract has been awarded
 - Asbestos abatement activities continue in the pipe and operating galleries
- 200E Project
 - Continued load out of asbestos from 284E steam pipes
 - Continued demolition of 272E
 - Continued demolition of 275E
 - Completed asbestos abatement of conveyor and crusher house at 284E
 - Initiated asbestos abatement in main building of 284E
- 209E Project
 - Continued 209E characterization and cold and dark planning activities
 - Completed housekeeping and removal of miscellaneous equipment from the criticality assembly room and mix room
 - Removed 80% of fencing around the facility
 - Completed asbestos abatement on the steam line in preparation of steam line removal
 - Completed modifications to the facility to allow for a larger step-off and change area
 - Began receipt and installation of trailers to support project personnel
- 200W Project
 - Continued with characterization activities

ARRA – Outer Zone D&D

- BC Controlled Area Waste Site Remediation
 - Remediation using super dump trucks continued with approximately 192,800 tons cumulative to date of soil removed and transferred to ERDF
- 200-CW-3 Waste Sites
 - Excavation of Remove, Treat, and Dispose (RTD) site 216-N-4 was completed pending verification sampling. Approximately 36,350 tons of soil (cumulative) has been removed and transferred to ERDF.
 - Excavation of RTD site 216-N-6 was completed pending verification sampling with approximately 8,000 tons (cumulative) transferred to ERDF
 - The response action completion documentation for waste site 216-N-1 is with RL for review and backfill of the site is complete
 - Seven waste sites (600-285PL, 2607N, 2607P, 2607R, 200-N-3, UPR-200-N-1, and UPR-200-N-2) have been remediated/evaluated with the reclassification approved
- MG-1
 - Reclassification/closure documentation for eight waste sites (200-E-101, 6607-2, 6607-1, 6607-3, 200-E-110, UPR-600-21, 600-51, and 600-262) has been submitted for approval. Site 600-37 is a CSNFA site with confirmatory sampling completed with acceptable results. Closure documentation is being prepared.

- Six waste sites (600-36, 600-38, 600-218, 200-W-33, UPR-600-12, and 600-222) were originally planned CSNFA, however sampling of the sites indicated some excavation will be required
- Excavation of waste site 600-275 was initiated in August
- Preparations to excavate 600-222 are awaiting approval of the RAWP, which is in review
- Initial excavation for site 600-40 was completed and initial verification samples were collected. Following additional excavation, in-process samples were found to be within the Remedial Action Level (RAL). The verification sampling instruction is being issued for verification sampling in September.
- The Remedial Action Work Plan (RAWP) that was updated to include 37 waste sites added with the approved Action Memorandum (AM) is with Ecology for review
- Additional excavation of site 600-36 was performed in August. The sample results are being evaluated.
- CSNFA sampling is continuing at the Old Central Shop Area site
- ALE D&D
 - Continued cold and dark and characterization on the upper ALE facilities

Base

Based on verification samples, additional excavation of 600-38 was performed in August, and post-excavation verification samples were collected and results of the sample analyses are pending.

RL-0041 Nuclear Facility D&D, River Corridor

ARRA

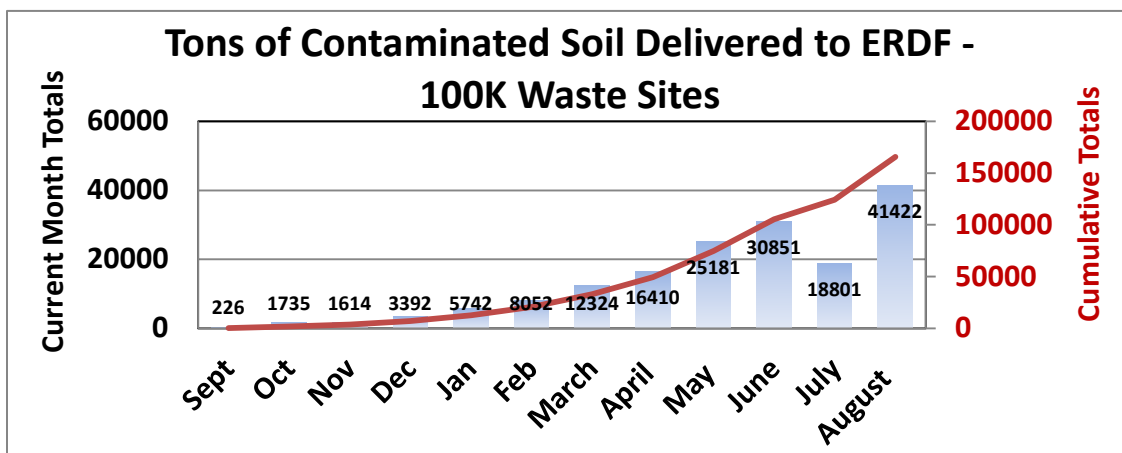
Facilities

- Completed asbestos removal on the east side of the reactor
- The 115KE Gas Recirculation Building sampling results require installation of grout ports on the tanks which will then be grouted at ERDF; this work package is in process. Above-grade demolition began in mid-August and should complete in late September, at which time the facility will be turned over to the Waste Site Remediation team to remove the below-grade structure as part of their waste site. The building is being opened up, the tanks will be removed and set aside, and then the grout ports will be installed on the tanks while building demolition continues.
- The 116KE Reactor Exhaust Stack debris was removed in early August. Any below-grade demolition will be conducted with adjacent waste site remediation.
- The 117KE Exhaust Air Filter Building above-grade demolition began in early August and should complete in early September, at which time the facility will be turned over to the Waste Site Remediation team to remove the below-grade structure as part of their waste site
- The 1706KE Radiation Control Counting Laboratory and 1706KER Water Studies Recirculation Building completed asbestos cleanup, removal of hydrazine, and pot-holing of sewer lines. The final concrete removal in both 1706KE and 1706KER should be done by early September, and then the substructures will be turned over to Waste Site Remediation's subcontractor for removal with their adjacent waste sites.
- The final pallet of debris from the 183.1KW Head House was disposed of, completing this work scope
- Demolition of the final South wall remained on hold in August for the 183.2KW Sedimentation Basin while the adjacent waste site soil was removed. Enough soil has now been removed to re-start demolition in September.
- Glycol removal was completed for 165KE. Glycol has been drained from all but 115KW and 165KW and will be performed as fill-in work.

- Continued demolition of the 183.3KW Filter Basin, which should complete in early September. Demolition took several months longer than planned as the footers were found to be 7-10 foot thick, instead of the standard depth shown on the drawings.
- Demolition continues on the 183.7KW Tunnel pipe gallery, which is planned to finish in late September
- Characterization of the 183.1KE Head House should complete in September. Deactivation was placed on hold and will complete after major electrical and water system upgrades are completed this fall.
- The 183.4KW and 183.4KE Clear Well final characterization reports were completed. Deactivation was placed on hold and will complete after major electrical and water system upgrades are completed this fall.

Waste Sites

- A substantial portion of ARRA and Base Confirmatory Sample No Action (CSNA) work was completed and results transmitted to DOE for information. Only one ARRA waste site, 100-K-79, remains within the CSNA work scope.
- Production rates continued at above-planned rates setting a record-breaking month in August at 41,422 tons of contaminated wastes received at ERDF. This 41,422 tons represents 25% of the total waste shipped from 100K waste sites starting in September 2009. During August, a daily average of 110 roll-on/roll-off containers, each with an average of 21 tons of waste, was received at ERDF.



HVAC Project

- Installed all 810 linear feet of interior ducting
- Continued shop fabrication and prep work for interior/exterior duct connections to HVAC/HEPA Units
- Installed 391 feet of insulation for the interior ducting with 601 feet remaining (65% complete)
- Completed fabrication and quality assurance inspection of the three HVAC/HEPA Units

Electrical Project

- Completed installation of new conduit duct bank from the new Switchgear Building to two skids
- Completed installation of underground conduit
- Framed and installed 17 of 20 new 13.8Kv poles
- Strung new aerial conductors from the Water Treatment Plant to existing 13.8kv pole
- Completed fabrication and quality assurance inspection of mobile control substation (delivery to 100K set for August 25-26, 2010)

Water Project

- Continued EPC Construction Services trench excavation, pipe install, and backfill around 105KW (Fire Loop System). At month end, excavated, installed and backfilled 98% of fire water piping around 105KW/CVDF with 500 linear feet of 4-inch potable water pipe remaining from CVDF to the 167K cross-tie tunnel.
- Construction subcontractor completed trenching, pipe install, and backfill of all fire water and potable water and initiated potable water testing for balance of piping inside the fence
- Continued installation of process piping and mechanical components inside the Water Treatment Plant building
- Completed construction of dual-use water tank

Other

- Completed sludge vacuuming in the Center Bay of the K West Basin and began vacuuming in the West Bay. Continued preventative maintenance to support MCO proficiency test in September. Began preparations for the MCO proficiency test.

Base**Facilities**

- 105KE Reactor Disposition Engineering Evaluation/Cost Analysis (EE/CA) Draft A has been submitted to regulators for review and comment
- Completed characterization on 110KW Gas Storage Facility. Several pencil tanks inside the building were verified to be empty. Deactivation is on hold until after the utility upgrades occur this fall, but mechanical isolation work packages are in process.
- The 115KW Gas Recirculation Building characterization samples were completed. Additional sampling required by Radiation Control should occur in September. Deactivation is on hold until after the utility upgrades occur this fall, but electrical and mechanical isolation work packages are in process.
- The 117KW Exhaust Air Filter Building was accelerated from FY2011. The cover needs to be lifted and “sniffed” to ensure safe access prior to continuing characterization.
- The 118KW Horizontal Control Rod Storage Cave was accelerated from FY2011. This building is ready for demolition, which will commence once the demolition crew from the 183.7KW Tunnel is available.
- Deactivation has been placed on hold for four buildings which will be removed at one time after the utility upgrades occur this fall. The buildings are the 1717K Maintenance Transportation Shop, 1717AKE Electrical Shed, 1724K Maintenance Shop, and 1724KA Storage Shed.
- Demolition is on hold for the 182K Water Reservoir Pump House. The below-grade water reservoir connects directly to the 183.4KE clear well, which provides the service water/fire protection water for 100K. The shut-off valves between these two facilities leak, thus below-grade demolition cannot commence until the new utility systems are operational this fall and the 183.4KE clear well water and 183.2KE sedimentation basins are drained.
- The 183KE Chlorine Vault power was isolated and the demolition work package has been drafted. Operations will continue to utilize the building until after the utility upgrades this fall, after which time demolition should commence.
- Leased facility MO872 Radiation Control Trailer is ready for re-installation in its new location. The building site is being evaluated (expect re-siting to occur in November) and vendors were contracted to attach electrical power at the new site.

- Deactivation is on hold for four K West mobile offices to be removed as a group (MO236, MO237, MO323, and MO955). Personnel should move into other offices in September/October, after which deactivation will resume. This will accelerate this demolition work from FY2012 into FY2011.
- After the utilities upgrades finish this fall, a group of facilities will be deactivated. Their initial characterization walk downs have been performed, and characterization sampling commenced in August and will finish in September. These facilities are 105KE Tunnel, 105KW Tunnel, 110KW Gas Storage Facility, 115KW Gas Recirculation Building, 1506K1 Fiber Optics Computer Hut, 167K Cross-Tie Tunnel and Building, 183.5KE/183.6KE Lime Feeder Buildings, 183.7KE Tunnel, 166AKE Oil Storage Facility, 166KE/166KW Oil Storage Vaults, 190KE Main Pump House, and 165KW Power Control Building. Once the en-mass deactivation occurs, the demolitions will be performed on a staggered schedule.

Waste Sites

- Continued 100-K-63 excavation and completed excavation on 1607-K3 and 100-K-109

MAJOR ISSUES

RL-0011 Nuclear Materials Stabilization and Disposition of PFP

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

Corrective Action – The Aspigel® Hazards Analysis is currently in the review cycle and will be released by the end of September. Once complete, final comments will be made to the work package and the HRB conducted during the first week of October. Due to changed procedural requirements for startup readiness, the Aspigel® decontamination process will now undergo a review by the CHPRC Joint Evaluation Team (JET).

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

Corrective Action –

- Performed a Common Cause Analysis
- Conducted Root Cause Analysis
- Implemented Senior Supervisory Oversight
- Brought in outside expertise to assist the project in developing a plan of action to address the items identified in the “R” occurrence report.
- Developed a PFP Performance Improvement Plan

Issue Statement – Failure to effectively re-deploy D&D field work teams when work delays or stoppages are encountered.

Corrective Action – Working with the D&D management team to communicate and implement a paradigm shift from continuity of D&D field work teams to “qualified” jurisdictional positions. In addition, evaluating the weaknesses associated with work package availability (lack of work packages) to support this change in approach.

RL-0013 Waste and Fuels Management Project

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

Corrective Actions – Strategy developed and agreed to with Senior Management, HAMTC, and program/MSA support to implement new shift/overtime strategy, recover schedule slip for shipments.

Status – 539m³ removed, 521m³ shipped. Recovery schedule supports TPA tentative agreement of 2,000m³ and the ARRA Key Parameter and Performance Metric of 2,500m³ by September 30, 2011.

Issue Statement – An engineering evaluation was revised to address RL Safety and Engineering Division concerns on movement of the one previously dropped Interim Storage Cask.

Corrective Actions – The revised document was provided to RL on July 28, 2010 to determine if concerns have been adequately addressed. In follow-on discussions, RL has identified the need for additional input to fully address their concerns.

Status –

- Develop White Paper, conduct meeting(s) with RL to review draft determinations during preparation, and issue White Paper by September 3, 2010.
- An additional evaluation was performed and RL has confirmed that their concerns have now been addressed. This is the last report of this issue.

Issue Statement – Reaching TRU characterization goals of 90 per week with CCP.

Status – Executing recovery plan with CCP for NDE/NDA schedule variance.

Issue Statement – EPA Baseline Report for CCP Certification expected to be submitted in September.

Status – CCP Certification letter expected in December.

RL-0030 Soil and Groundwater Remediation

Issue: A Quality Assurance Program Assessment was performed on the 100-DX Acceptance Testing process and procedure. As a result of this assessment, a number of programmatic issues have been identified that require corrective actions. These issues include:

- Acceptance Test Procedure acceptance criteria were not always defined as required by the CHPRC project documents and procedures.
- The 100-DX test strategy, as defined in the approved Test Plan, did not include appropriate testing of the ion exchange (IX) process system effectiveness.
- PRC-PRO-EN-286, Testing of Equipment and Systems, provided a general approach to establish and implement a startup test program, but did not provide a structured and appropriately graded approach for execution of a repeatable and rigorous startup test program.
- The 100-DX Acceptance Test Procedure and the Design/Construction Verification did not provide the level of rigor in key areas that is generally expected for a startup test program.
- CHPRC does not have a documented process that addressed, with specificity, the turnover from Construction to Operations.
- The performance and accomplishment of the Construction Acceptance Tests (CATs) was not clearly understood or traceable to identified construction acceptance criteria

Corrective Actions: In accordance with PRC-PRO-QA-052, *Issues Management*, a corrective action plan will be written and approved, and will contain specific corrective actions for each of the programmatic issues stated above.

Status: As required by the CHPRC CRCS, corrective action planning is underway.

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

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

Status: WSCF Corrective action planning is underway.

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

Issue Statement – Confirmatory sampling waste sites have failed to meet acceptance criteria.

Corrective Action – Alternative remediation strategies are being developed.

Status – Contract Notice of Change letters have been issued for the following:

Waste Site 200-W-33, Notice of Change letter number CHPRC-1000334, dated May 6, 2010

Waste Site 600-218, Notice of Change letter number CHPRC-1000160, dated March 2, 2010

Issue Statement – During the remediation of the CW-3 ponds, radiological contamination levels were found in the outfall of 600-286-PL and 600-287-PL.

Corrective Action – CHPRC is proceeding with additional characterization activities in the 600-285-PL to determine if radiological contamination is present above levels documented in the remaining sites verification package and full remove, treat, and dispose of the 600-286-PL and 600-287-PL pipelines is expected to start by the end of September.

Status – Planning and prerequisite documents are being developed to support RTD activities in September.

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

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

Status – Approval of the RAWP is currently anticipated in September.

RL-0041 Nuclear Facility D&D, River Corridor

Issue Statement – Extent and severity of contamination in the UPR-100-K-1/100-K-42 waste site footprint and D4 demolition area is much higher than planned in the PMB. The significance of this higher-than-anticipated contamination is that the work must be conducted under nuclear Hazard Category 3 controls, productivity will be at a diminished rate, and a larger volume of contaminated soil will need to be removed.

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

Status – D4 is planning for removal of the discharge chute. Waste site work is on hold until the chute is removed.

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

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

Status – The CP/BCR process has been initiated for these newly discovered waste sites. An Advanced Work Authorization was issued for 100-K-109. Work started in July under the AWA. A BCR for 100-K-97, -98, -99, and -100 was submitted for DOE review but was returned and a change proposal was requested.

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

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

Status – Meetings were held with RL and a decision to transfer the additional scope beyond the ARRA volumes to Base. An administrative change is anticipated from the RL Contracting Officer, a BCR is being prepared.

Issue Statement – Outages (electrical and water) will require significant integration with MSA Electrical Utilities (EU) and 100K Operations to minimize disruptions.

Corrective Action – Project Manager has established weekly meetings with MSA EU to coordinate electrical outages and assure resources are available. Project Manager is coordinating with 100K Operations to determine best available outage times.

Status – Schedule developed to identify outages for electrical and water projects and provide time for MSA EU and 100K Operations to minimize impacts.

Issue Statement – Procedure development and operational training for the water treatment plant may require more time than allotted.

Corrective Action – Project Leads have defined procedure needs (modification or new development) for HVAC and Water Treatment Facility.

Status – Resources identified to support procedural development and schedule developed to track progress.

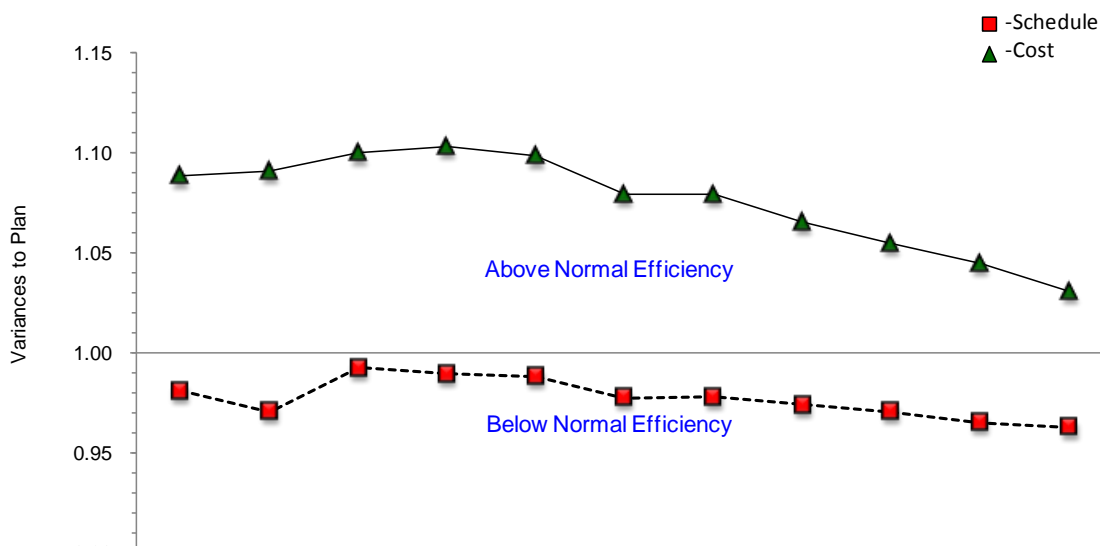
Issue Statement – Change orders in the Power/Water/HVAC Project have caused an increase in cost and schedule delays throughout the lifecycle of the Utilities Project. These change orders have been incurred due to design changes, additional material/equipment and labor, added subcontractor work scope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

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

Status – Continuing communication between management, subcontractors, and supporting staff to minimize schedule/cost impacts associated with change orders/claims.

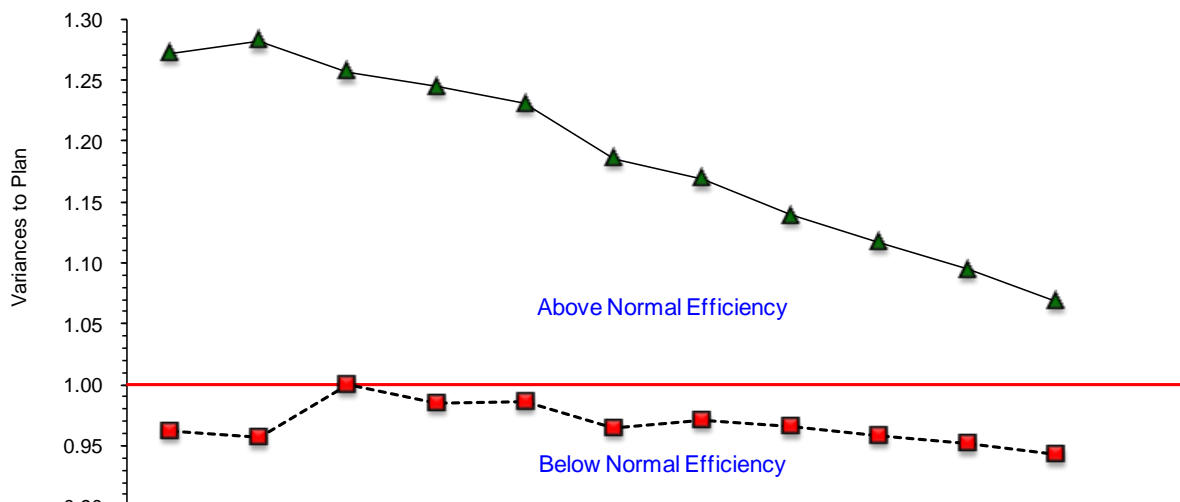
EARNED VALUE MANAGEMENT

Schedule and Cost Performance Indices



	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MONTHLY SPI	0.91	0.87	1.29	0.92	0.97	0.84	0.98	0.92	0.91	0.89	0.92	
MONTHLY CPI	1.12	1.12	1.20	1.14	1.05	0.85	1.08	0.88	0.89	0.91	0.83	
---■--- CTD SPI	0.98	0.97	0.99	0.99	0.99	0.98	0.98	0.97	0.97	0.97	0.96	
—▲— CTD CPI	1.09	1.09	1.10	1.10	1.10	1.08	1.08	1.07	1.05	1.04	1.03	

Schedule and Cost Performance - ARRA

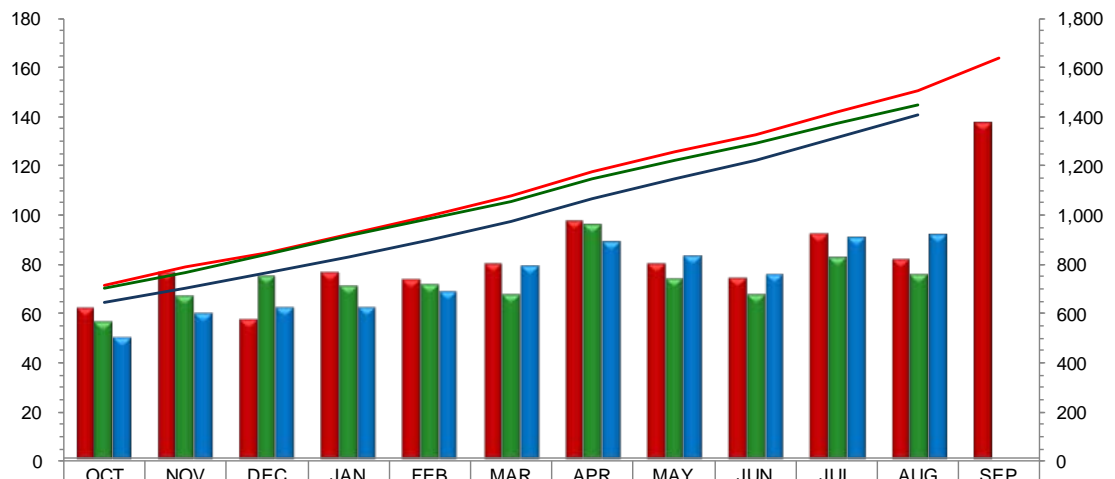


	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MONTHLY SPI	0.92	0.93	1.39	0.90	1.00	0.81	1.01	0.92	0.86	0.89	0.83	
MONTHLY CPI	1.40	1.33	1.12	1.17	1.14	0.89	1.07	0.90	0.90	0.90	0.80	
---■--- CTD SPI	0.96	0.96	1.00	0.99	0.99	0.97	0.97	0.97	0.96	0.95	0.94	
—▲— CTD CPI	1.27	1.28	1.26	1.25	1.23	1.19	1.17	1.14	1.12	1.09	1.07	

Schedule and Cost Performance

Bars: Current Month (\$M)

Lines: Contract To Date (\$M)

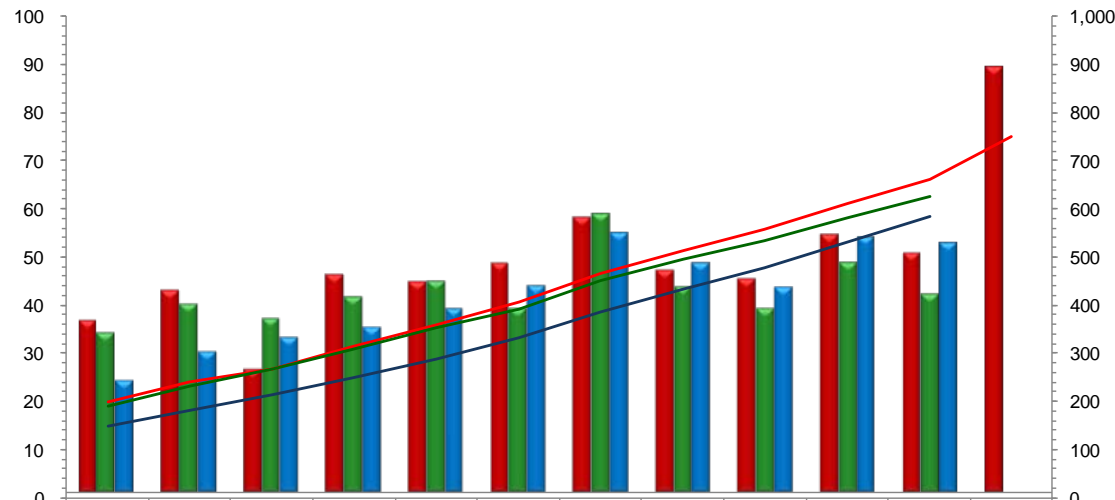


	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MONTHLY BCWS	62.1	76.4	57.7	76.8	73.7	80.0	97.6	80.2	74.3	92.5	81.9	137.2
MONTHLY BCWP	56.4	66.6	74.7	70.6	71.7	67.4	95.9	73.6	67.4	82.4	75.6	
MONTHLY ACWP	50.3	59.6	62.1	62.0	68.4	78.9	88.5	83.3	75.5	90.5	91.6	
CUMULATIVE BCWS	715.5	791.9	849.7	923.5	997.2	1,077.	1,174.	1,255.	1,329.	1,421.	1,503.	1,640.
CTD BCWP	701.8	768.4	843.1	913.7	985.4	1,052.	1,148.	1,222.	1,289.	1,372.	1,447.	
CTD ACWP	644.8	704.4	766.5	828.5	896.9	975.8	1,064.	1,147.	1,223.	1,313.	1,405.	

Schedule and Cost Performance - ARRA

Bars: Current Month (\$M)

Lines: Contract To Date (\$M)



	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MONTHLY BCWS	36.7	42.9	26.6	46.0	44.7	48.4	58.0	47.1	45.2	54.3	50.5	89.1
MONTHLY BCWP	33.9	39.9	37.1	41.3	44.5	39.1	58.5	43.6	39.0	48.4	42.0	
MONTHLY ACWP	24.3	30.0	33.1	35.1	39.0	43.9	54.8	48.4	43.4	53.8	52.5	
CUMULATIVE BCWS	198.2	241.1	267.7	313.7	358.4	406.8	464.8	511.9	557.1	611.4	661.9	751.0
CTD BCWP	190.8	230.7	267.8	309.0	353.6	392.6	451.1	494.7	533.6	582.1	624.1	
CTD ACWP	150.0	179.9	213.1	248.2	287.2	331.1	385.9	434.4	477.8	531.6	584.1	

Performance Analysis – August

ARRA Performance by PBS (\$M)

	Current Period				
	Budgeted Cost		Actual Cost ACWP	Variance	
	BCWS	BCWP		Schedule	Cost
RL-0011 - PFP D&D	8.3	6.8	8.9	(1.5)	(2.1)
RL-0013 - MLLW Treatment	1.6	0.4	0.7	(1.2)	(0.4)
RL-0013 - TRU Waste	11.5	6.7	8.1	(4.9)	(1.4)
RL-0030 - GW Capital Asset	7.6	4.7	5.5	(2.9)	(0.8)
RL-0030 - GW Operations	4.2	2.2	3.3	(1.9)	(1.1)
RL-0040 - U Plant/Other D&D	6.7	6.3	6.4	(0.4)	(0.1)
RL-0040 - Outer Zone D&D	3.2	3.2	3.3	0.0	(0.1)
RL-0041 - 100K Area Remediation	7.4	11.7	16.2	4.3	(4.5)
Subtotal	50.5	42.0	52.5	(8.5)	(10.5)
Fee			1.7		
Total			54.2		

ARRA

The Current Month unfavorable Schedule Variance (-\$8.5M/-16.8%) reflects:

- The RL-0013 negative variance (-\$6.1M) reflects the following subproject performance:
 - RL-0013 TRU Waste (-\$4.9M) – TRU Retrieval slower recovery activities than planned, delayed purchase of Trench Face Process System (TFPS) due to extended bid time requested by vendors, and inability to ship low gram TRU waste due to contractor's waste receipt limitation for current month.
 - RL-0013 MLLW Treatment (-\$1.2M) – Planned 435.1 Compliance Waste processing was achieved in prior period, coupled with fewer MLLW shipments than planned due to delay in receipt of waste from the Retrieval Project.
- The RL-0030 negative variance (-\$4.8M) reflect the following subproject performance:
 - The primary contributors to the negative variance in ARRA RL-0030.R1.1 GW Capital Asset (-\$2.9M) are as follows:
 - 100 HR-3 Operable Unit (-\$2.0M) – Installation of equipment inside the DX process and M2 transfer buildings ahead of schedule; the work scope planned in August was completed in prior months resulting in the current month negative variance.
 - 200-ZP-1 Operable Unit (-\$0.6M) – Early completion of the installation of road crossings and HDPE piping which was scheduled for August.
 - Drilling (-\$0.3M) – Current month scope was completed in prior months using multiple drill rigs for ZP-1 drilling per the recovery plan.

- The primary contributors to the negative variance in ARRA RL-0030.R1.2 GW Operations (-\$1.9M) are as follows:
 - Ramp-up and Transition (-\$1.1M) – The utilities and buildings construction contractor did not perform as planned. The contractor is under-staffed for this project. The project has put in place several corrective actions to regain schedule.
 - Drilling (-\$0.9M) – Contractor operational issues have resulted in a proactive safety stop work and are being resolved (this is a realized risk). These delays will impact the RI/FS for 100-KR-4, 100-NR-2, 100-HR-3, and 300-FF-5, with some scope pushing into FY2011.
- The RL-0011 negative variance (-\$1.5M) is due to availability of only one decontamination agent (RadPro[®]) additional time was required for chemical decontamination. In addition, ultra-conservative application of the SCO process limited effectiveness of this process, resulting in significant additional glovebox work and decontamination efforts. A supplied air fitting failure suspended all supplied air work for multiple days.

Recovery – This negative schedule variance is expected to continue. Utilization of an additional decon agent (Aspigel[®]), additional overtime, and application of the revised SCO process is expected to contribute to the schedule recovery. Shift work is also being evaluated.
- The RL-0041 positive variance (+\$4.3M) is due to the following:
 - Waste Sites (+\$2.9M) – A significant schedule variance has been reported during this period. This value has fluctuated from the previous months with a (+\$6.0M) reversal in trend. Contributors include the following elements: (+\$3.4M) is associated with completion of 100-K-55 Pipeline Part 1 with significantly less effort than planned; (+\$0.3M) is associated with acceleration of waste sites 100-K-102, and 100-K-63; (+\$0.1M) is associated with acceleration and completion of substantial portions of CSNA work. This is offset by negative contributors; (-\$0.7M) due to encumbered access due to D4 priorities and removal of the discharge chute; (-\$0.1M) is related to waste site 116-KE-1 where access should be granted by D4 in mid-September; (-\$0.02M) is related to 116-KE-2 which must be moved to Group 2 to align with the TPA milestones and fit with utility relocation work; and (-\$0.03M) is due to 116-KE-3 where the base volume has been excavated but schedule is slipping as the additional amount of contamination is determined. Additionally, a drywell was encountered in the base of the excavation at 45 feet below ground. This well must be decommissioned before work can proceed.
 - 100K Area Project (Facilities and Others) (+\$1.4M) – is due to variances in Utilities (+\$2.1M) with execution of field work on the electrical and water projects beginning to recover schedule slippage and (+\$0.4M) from 183KW Sedimentation Basin Complex recovering some schedule from prior months. This is offset by a negative schedule variance in K West Deactivation (-\$0.7M) due to the small and medium debris disposition campaign being delayed by the MCO proficiency test; and Project Management (-\$0.4M) where the processor for the PC8001C-8 and two Connex boxes were not received by month end.
- The RL-0040 negative variance (-\$0.4M) reflects the following subproject performance:
 - ARRA RL-0040.R1.1 U Plant/Other D&D (-\$0.4M) is within reporting thresholds.
 - ARRA RL-0040.R1.2 Outer Zone D&D (\$0.0M) is within reporting thresholds.

The Current Month unfavorable Cost Variance (-\$10.5M/-24.9%) reflects:

- The RL-0041 negative variance (-\$4.5M) is due to the following:
 - 100K Area Project (Facilities and Others) (-\$7.8M) – The negative cost variances in Utilities (-\$2.9M) has two components: the electrical project (-\$2.6M) mobile substation subcontract and the water project (-\$0.3M) subcontract, both of which are incurring extra costs to maintain the schedule; K West deactivation (-\$1.5M) due to no work performed on the small and medium debris disposition campaign (see SV discussion) although vacuuming activities were performed; G&A (-\$1.5M) due to the August pass back; Facilities (-\$1.0M) on the 183.3KW Filter Basin where additional ERDF costs have been incurred as the footers were significantly thicker than the drawings showed, and increased 1706KE/KER costs due to removal of equipment/piping in the substructure that was not planned; 105KE Reactor (-\$0.5M) due to delay in 60% design submittal review project management is costing more than estimated; and Project Management/MSA Assessments (-\$0.4M) due to D&D facility remediation site housecleaning activities being charged to the General Site Cleanup account, and July's vehicle rental billing being paid in August (along with the August billing) attributed to the PBS overrun this month (allocation based on direct costs).
 - Waste Sites (+\$3.3M) – The positive cost variance is directly related to the following factors: (+\$4.0M) is associated with completion of 100-K-55 Pipeline Part 1 with significantly less effort than planned; (+\$0.2M) is associated with completion and acceptance of CSNA work by RL; offset by (-\$0.9M) Group 1 RTD excavation beyond anticipated volumes and contaminant levels effecting closure actions. Currently 13 sites have required excavation beyond planned volumes and one site remains a Nuclear Category three site.
- The RL-0011 negative variance (-\$2.1M) reflects the inability to effectively re-deploy field work teams when work delays/stops are experienced has contributed to this variance. The cost of increased craft provided by MSA to support D&D efforts, and higher material cost for receipt of HEPA ventilation units, gantry cranes, and portable air conditioners are also contributing to this variance.

Recovery – This negative cost variance is expected to continue while corrective actions related to the breathing air work stoppage are implemented. Utilization of overtime will be managed to control the downward trend of the CPI.
- The RL-0013 negative variance (-\$1.8M) reflects the following subproject performance:
 - RL-0013 TRU Waste (-\$1.4M) – TRU Retrieval and TRU Disposition maintaining staff without commensurate performance.
 - RL-0013 MLLW Treatment (-\$0.4M) – Application of retroactive use tax on ERDF capital equipment, coupled with continued fixed costs for MLLW shipments without commensurate performance.
- The RL-0030 negative variance (-\$1.9M) reflects the following subproject performance:
 - ARRA RL-0030-R.1.2 GW Operations (-\$1.1M) negative variance is due to costs being realized for performance claimed in previous months within Well Drilling (+\$0.3M), and Ramp-up and Transition (-\$0.9M).
 - The primary contributor to the negative variance in ARRA RL-0030.R1.1 GW Capital Asset (-\$0.8M) is due to the lagging payments and accruals for work that was completed in earlier months within the 100-HR-3 Operable Unit (-\$0.6M), and ZP-1 Drilling (-\$0.2M) due to contract modifications to the six well drilling contract-standby, purchase of alternative screen materials, expedited freight charges, and design changes.

- The RL-0040 negative variance (-\$0.2M) reflects the following subproject performance:
 - ARRA RL-0040.R1.1 U Plant/Other D&D (-\$0.1M) is within reporting thresholds.
 - ARRA RL-0040.R1.2 Outer Zone D&D (-\$0.1M) is within reporting thresholds.

Base Performance by PBS (\$M)

	Current Period				
	Budgeted Cost		Actual Cost ACWP	Variance	
	BCWS	BCWP		Schedule	Cost
RL-0011 - Nuclear Mat Stab & Disp PFP	3.9	3.3	3.9	(0.7)	(0.6)
RL-0012 - SNF Stabilization & Disp	6.1	5.9	6.4	(0.2)	(0.5)
RL-0013 - Solid Waste Stab & Disp	5.8	6.9	8.8	1.1	(1.9)
RL-0030 - Soil & Water Rem-Grndwtr/Vadose	12.7	10.3	15.9	(2.4)	(5.6)
RL-0040 - Nuc Fac D&D - Remainder Hanfrd	1.5	1.3	1.7	(0.2)	(0.4)
RL-0041 - Nuc Fac D&D - RC Closure Proj	1.3	5.8	2.3	4.5	3.5
RL-0042 - Nuc Fac D&D - FFTF Proj	0.1	0.1	0.1	0.0	0.0
Subtotal	31.4	33.6	39.1	2.2	(5.5)
Fee			1.4		
Total			40.5		

Base

The Current Month favorable Schedule Variance (+\$2.2M/+7.0%) reflects:

- The RL-0041 positive variance (+\$4.5) is due to the following:
 - Waste Sites (+\$5.3M) – A positive schedule variance is a dramatic correction from last month's (-\$1.0M). This reversal arises from two primary factors: (+\$2.5M) is associated with completion of 100-K-56 Part 2 with much less effort than anticipated; (+\$2.0M) was added when RL accepted CSNA documentation; and (+\$0.8M) is associated with early completion of CSNA scope.
 - 100K Area Project (Facilities and Others) (-\$0.8M) – The negative variance is (\$-0.6M) Facilities where a large group of buildings have begun the characterization/deactivation planning process, but no field work can be performed until after the utilities upgrade occurs this fall, so no performance could be taken; and 105KE Reactor (-\$0.2M) due to 60% design submittal being delayed until October 2010.
- The RL-0013 positive variance (+\$1.1M) is due to a point adjustment to move RH/Large Box Repack to ARRA funded activity, partially offset by delay in WESF upgrades.
- The primary contributors to the RL-0030 negative variance (-\$2.4M) that exceed reporting thresholds are as follows:
 - 100 HR-3 Operable Unit (-\$0.9M) – 1) Delays in sampling analysis which will not occur until the start RI/FS well drilling, now planned for October (this is a realized risk), 2) Delays in construction of the in situ bioremediation treatability test, 3) Delays in letting the contract to procure and install HX treatment building and delays to document revisions in the OU that are

required to meet the new TPA milestone M-015-115. While HX field work has been delayed no impact is expected to the completion of the HX Pump-and-Treat Facility.

- 300-FF-5 Operable Unit (-\$0.4M) – Delays in the Treatability Test Plan (TTP) and Alternative Barrier Emplacement efforts. The TTP was predicated on a successful infiltration test therefore the follow on work is being reviewed and is expected to be performed in FY2011.
- Regulatory Decision/Closure (-\$0.5M) – Work scope that is in the current baseline is changing as part of the new Central Plateau Closure Strategy. The new strategy will be implemented later this year.
- The RL-0011 negative variance (-\$0.7M) is due to the suspension of breathing air work prevented completion of canyon crane repairs and canyon floor cleaning.
Recovery – Breathing air work is expected to resume in late September resulting in re-start of canyon crane repairs, floor cleaning, and manual size reduction of the PRF Pencil Tanks.
- The RL-0012 negative variance (-\$0.2M) is primarily due to the STP variances including: 1) late start on the sampling of the settler tank sludge stream, as 100K Operations personnel are supporting the MCO proficiency activities (-\$0.1M); 2) procurement of the MCOs and the Integrated Water Treatment System (IWTS)/MCO processing systems are behind schedule due to management decision to hold procurements until the Engineering evaluation of all requirements was known (-\$0.3M); 3) mockup pool at MASF completed early and BCWS now catching up with the performance that has been realized (-\$0.1M), offset by a positive variance in the ECRTS transportation safety analysis this month (+\$0.3M).
Recovery actions for the settler tank sampling schedule variance will correct when the MCO proficiency activities complete. Recovery actions for the MCOs is underway with a contract being awarded to Joseph Oat Corporation (fabricated previous MCOs) to fabricate three additional MCOs, and the procurements on the IWTS/MCO processing system upgrades have been awarded and are actively being worked at 100K. No recovery actions are required for the MASF pool mockup, as all actions are complete.
- The RL-0040 and RL-0042 variances (-\$0.2M) are within reporting thresholds.

The Current Month unfavorable Cost Variance (-\$5.5M/-16.4%) reflects:

- The primary contributors to the RL-0030 negative variance (-\$5.6M) that exceed reporting thresholds are as follows:
 - 100-HR-3 Operable Unit (-\$1.8M) – Vendor accrual for distribution of piping and electricity for HX material received to date.
 - Regulatory Decision/Closure (-\$1.2M) – Impacts associated with the new Central Plateau Closure Strategy which has resulted in work scope being replanned. The new strategy will be implemented later this year.
 - 100-KR-4 OU (-\$0.4M) – Costs for well-head maintenance and cable extension support and greater than expected WSCF cost.
 - GW Monitoring & Performance Assessments (-\$0.3M) – An accrual for a hydro geologist hardware/software procurement that was greater than planned for the month and additional driller/helper support.
- The RL-0013 negative variance (-\$1.9M) is due to RH/Large Box Repack incurred costs in Base account for ARRA funded activities (cost transfer in September), TRU Retrieval increased subcontractors to facilitate Kelly Klosure fabrication, and Assessments continue above plan.

- The RL-0041 positive variance (+\$3.5M) is due to the following:
 - 100K Area Project (Facilities and Others) (-\$0.7M) – The negative variance is 105KE Core Removal (-\$0.3M) attributed to delay in finalization of core characterization and 60% design submittal; G&A (-\$0.2M) due to the August pass back; and Facilities (-\$0.2M) of numerous small charges.
 - Waste Sites (+\$4.2M) – This positive cost variance is a large change (+\$4.1M) from last month's report due to the following factors: (+\$2.7M) is associated with early completion of CSNA work; (+\$1.6M) is associated with completion of 100-K-56 Part 2 with much less effort than anticipated; partially offset by (-\$0.1M) which was due to delays to various RTD sites.
- The RL-0011 negative variance (-\$0.6M) due to the suspension of breathing air work prevented completion of the repairs to the canyon crane and canyon floor cleaning, while labor costs for the field work teams remained relatively constant. Corrective actions for resumption of the canyon floor cleaning and canyon crane repairs have been initiated.
- The RL-0040 negative variance (-\$0.4M) is related to the waste site's expanded scope of the Engineering Evaluation/Cost Analysis development for railcars and 200 East area buildings.
- The RL-0012 and RL-0042 variances (-\$0.5M) are within reporting thresholds.

Performance Analysis – Contract to Date

ARRA Performance by PBS (\$M)

	Contract to Date					Contract Period		
	Budgeted Cost		Actual Cost	Variance		BAC	EAC	Variance
	BCWS	BCWP	ACWP	Schedule	Cost			
RL-0011 - PFP D&D	138.3	128.2	124.6	(10.1)	3.6	279.2	277.3	1.9
RL-0013 - MLLW Treatment	33.3	31.3	28.8	(2.0)	2.6	49.1	45.5	3.6
RL-0013 - TRU Waste	109.7	96.9	102.7	(12.7)	(5.7)	245.6	242.3	3.3
RL-0030 - GW Capital Asset	52.3	56.8	55.0	4.5	1.8	171.2	170.2	0.9
RL-0030 - GW Operations	53.8	45.6	36.3	(8.2)	9.3	84.5	76.5	8.0
RL-0040 - U Plant/Other D&D	115.6	110.9	97.8	(4.7)	13.1	197.6	183.8	13.8
RL-0040 - Outer Zone D&D	39.3	37.4	32.2	(2.0)	5.2	86.7	90.0	(3.3)
RL-0041 - 100K Area Remediation	119.6	117.0	106.8	(2.6)	10.2	189.8	176.5	13.3
Subtotal	661.9	624.1	584.1	(37.8)	40.0	1,303.6	1,262.1	41.6
Management Reserve						30.4		
Fee			34.2			72.1		
Total			618.2			1,406.2		

ARRA

The CTD unfavorable Schedule Variance (-\$37.8M/-5.7%) reflects:

- The RL-0013 CTD negative variance (-\$14.7M) reflects the following subproject performance:
 - RL-0013 TRU Waste (-\$12.7M) – TRU Retrieval slower Recovery Plan and Restart activities than planned, delayed purchase of Trench Face Process System (TFPS) due to extended bid time requested by vendors (including supporting site preparation), Next Generation Retrieval (NGR) and characterization proceeding with sequential site preparation versus parallel, and delay in full CCP program implementation and lack of CCP resources for NDE.

- RL-0013 MLLW Treatment (-\$2.0M) – Fewer MLLW shipments than planned to date due to delay in receipt of waste from the Retrieval Project, and delay in receipt of Large A Type container due to lack of qualified suppliers and extended vendor build schedule, partially offset by 435.1 Compliance Waste processing being achieved in prior period.
- The RL-0011 CTD negative variance (-\$10.1M) is primarily caused by:
 - Safety stand-down and stop works
 - Breathing air issues
 - Ultra conservative application of the SCO process
 - Unplanned process vacuum mockup work to support application of new glove bag technique Recovery – This negative schedule variance is expected to continue. Utilization of an additional decon agent (Aspigel®), additional overtime, and application of the revised SCO process is expected to contribute to the schedule recovery. It is expected that the negative schedule variance will be recovered by March, 2012.
- The RL-0040 CTD negative variance (-\$6.7M) reflects the following subproject performance:
 - ARRA RL-0040.R1.1 U Plant/Other D&D (-\$4.7M) – The negative schedule variance is due to late award of the grout contract for U Canyon (-\$2.3M), delays with the 200E Administration Buildings (-\$2.0M) due to bio-hazard and radiological control issues, delay in receiving capital equipment (-\$1.0M), and U Ancillary demolition (-\$0.4M) schedule delays due to asbestos abatement/respirator issues. This is offset by accelerating 209E demolition preparation, mobilization, and asbestos abatement (+\$0.8M), and other minor accounts that are within threshold (+\$0.2M).
 - ARRA RL-0040.R1.2 Outer Zone D&D (-\$2.0M) – The CTD unfavorable schedule variance (-\$1.7M) is due to the greater depth of contamination in the BC Control Area and the resulting need to excavate and dispose of greater quantities of soil and the migratory bird impact issues (-\$2.1M). Deferral of work on 600-275 and 600-220 has also contributed to the unfavorable variance (-\$0.2M). This is offset in part by early work in miscellaneous waste sites (+\$0.6M). Several ALE towers have not been released for work causing a negative schedule variance (-\$0.3M).
- The RL-0030 CTD negative variance (-\$3.7M) reflects the following subproject performance:
 - The ARRA RL-0030.R1.2 GW Operations (-\$8.2M) primary contributing variances that exceed reporting thresholds are as follows:
 - Ramp-up & Transition (-\$6.3M) – 1) The construction contractor’s performance is less than planned due to their ability to obtain required levels of staffing, 2) Limited engineering resources due to competing priorities, 3) The re-work that was required on the foundation due to incorrect placement. The contract is currently forecast to complete four months behind schedule.
 - Drilling (-\$2.2M) – Contractor operational issues have resulted in a proactive safety stop work and are being resolved (this is a realized risk). These delays will impact the RI/FS for 100-KR-4, 100-NR-2, 100-HR-3, and 300-FF-5 with some scope pushing into FY2011.
 - The ARRA RL-0030.R1.1 GW Capital Asset (+\$4.5M) the primary contributing variance that exceeded reporting thresholds is:
 - 200-ZP-1 Operable Unit (+\$3.1M) – Early delivery of the microfiltration membranes, balance of design/project change notices, fluidized bed system activities, RAD building exterior work, and subcontractor materials/equipment/and technical submittals.

- The RL-0041 CTD negative variance (-\$2.6M) is due to the following:
 - Waste Sites (-\$2.4M) – The significant schedule variance is much improved (+\$2.9M) from last month. Generally, the cumulative schedule variance is associated with slow starts to Advance Work Authorizations (AWAs) and the inability to progress waste sites around 100-K-42 until completion of the 105KE Fuel Storage Basin discharge chute removal. Specifically, the schedule variance arises from the following factors: (+\$2.1M) is associated with completion of 100-K-55 Pipeline Part 1 being performed with significantly less effort than planned; and (+\$1.2M) is gained with acceptance of a majority of CSNA waste sites by DOE. This is partially offset by (-\$2.0M) representing schedule delays associated with inability to progress waste sites 100-K-3, 100-K-42, 100-K-47, 100-K-71, 100-K-56, miscellaneous Group 1 RTD sites, and 100-K-53 into D4 encumbered work areas; approximately (-\$1.0M) SV from 100-K-57 is realized because work cannot proceed until a DOE-issued cultural mitigation plan is accepted by the tribes. Work is in progress to initiate research, design and laboratory evaluation of current artifacts collected in the 1990's by PNNL; 12 sites have encountered additional contamination above planned limits and show approximately (-\$0.9M) SV contribution; 100-K-63 started later than the AWA date and is carrying (-\$0.8M) SV contribution. This will be fully recovered by October 1 if production remains at the current rates. The remainder of the sites in this WBS are delayed (-\$1.0M) and cannot proceed further until D4 controlled property is made available.
 - 100K Area Project (Facilities and Others) (-\$0.2M) – The positive variance in K West Deactivation (+\$3.1M) is due to an early start on small debris removal and vacuuming. This is offset by negative variances in Facilities (-\$1.4M) where 183.3KW demolition is taking over twice as long due to the footers being 7-10 feet thick (which was not on the drawings), 115KE/117KE Gas Buildings where work was paused until the 116KE stack was demolished, and 1706KE/KER asbestos removal which had a late start to ensure the below-grade building was structurally sound before asbestos removal was begun. The 105KE Reactor (-\$1.1M) negative schedule variance is due to availability of insulators to complete asbestos removal and the late start of demolition activities. Utilities (-\$0.6M) caused by delay in construction activities due to late release of design criteria for contract bid proposal submittals. The Power Isolation Project planned to have the Mobile Substation delivered and the 13.8KV power re-route completed in May, however, due to late contract award, these have been delayed three months. The River Water Infrastructure Isolation Project planned to have construction complete in June but is forecasting completion in early September. And Project Management (-\$0.2M) due to the processor for the PC8001C-8 and 2 Connex boxes receipt slipping into September.

The CTD favorable Cost Variance (+\$40.0M/+6.4%) reflects:

- The RL-0040 CTD positive variance (+\$18.3M) reflects the following subproject performance:
 - ARRA RL-0040.R1.1 U Plant/Other D&D (+\$13.1M) – The favorable cost variance is largely due to favorable performance of the Cold and Dark teams and the Sampling and Characterization/Waste Identification Form teams (D4) (+\$3.0M), G&A and direct distributable allocations (+\$7.0M), less for Program Management than planned (+\$0.7M), efficiencies at U Canyon (D4) (+\$3.6M), less resources than planned for C-3 Sampling (+\$0.7M) and 200E Administration (+\$1.7M), lower than planned costs for capital equipment (D4) (+\$2.7M), 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) (-\$5.5M), coupled with increased insulator staff and overtime to recover schedule, 209E Project (+\$0.7M) and higher MSA (-\$1.8M) costs for Fleet/Training, etc. In addition, minor accounts outside the threshold (+\$0.3M).

- The RL-0030 CTD positive variance (+\$11.1M) reflects the following subproject performance:
 - The primary contributor to the ARRA RL-0030.R1.1 GW Capital Asset (+\$1.8M) variance that exceeds the reporting thresholds is:
 - 100-HR-3 Operable Unit (+\$1.6M) – Efficiencies experienced during installation of HDPE piping, road crossings, and installation of equipment in the process and M2 transfer buildings.
 - The primary contributors to the ARRA RL-0030.R1.2 GW Operations (+\$9.3M) variance that exceed the reporting thresholds are:
 - Drilling (+\$3.7M) – Efficiencies and savings obtained in drilling for 100-NR-2, 100-HR-3, and 200-BP-5 wells. Cost efficiencies are being obtained through an aggressive drilling schedule with savings in support personnel, faster drilling methods and the fact that the HR-3 well depths have been less than originally planned. Well decommissionings have also been completed for less than planned.
 - Ramp-up and Transition (+\$2.0M) – Site work, utilities, and mobile office procurements activities that were contracted for less than estimated in the baseline. The project support continues to underrun, but this will be offset by the increased cost for the internal fit-out of the four shop/warehouse buildings.
 - Regulatory Decision & Closure Integration (+\$1.7M) – Completing work scope more efficiently than planned, primarily in the areas of multi-incremental sampling (using existing documentation and direct haul rather than staging); borehole drilling and landfill characterization (competitive subcontracting of drilling support and efficient field support); and document preparation (200-BC-1 data validation and Data Quality Assessment reports).
 - PBS RL-30 UBS, G&A, and DD (+\$1.7M) – The CTD positive cost variance is discussed in Appendix C.
- The RL-0041 CTD positive variance (+\$10.2M) is due to the following:
 - Waste Sites (+\$4.2M) – The positive cost variance is caused by early completion of 100-K-55 Part 1 and CSNA sites.
 - 100K Area Project (Facilities and Others) (+\$3.0M) – The positive variance is from K West deactivation (+\$3.9M) for the debris removal campaign removing smaller debris units first and efficiencies from utilizing experienced staff. Facilities (+\$2.6M) is due to 183.2KW ERDF disposal cost avoidance offset by 1706KE/KER asbestos material overruns. The 105KE Reactor Disposition (+\$0.9M) is attributed to decontamination work utilizing less engineering and administrative staff than planned. These are offset by a negative cost variance in the Project Management (-\$3.2M) where D&D facility remediation site housecleaning activities have been charged to the General Site Cleanup account; and the utility water project (-\$1.2M) for the water treatment system and dual-use water storage tank costing less than originally estimated.
 - Project Support & Services (+\$3.0M) – G&A achieved efficient use of assigned resources.
- The RL-0011 CTD positive variance (+\$5.7M) is due to the following:
 - (+\$6.0M) Efficiencies recognized on cross-cutting support to the D&D work teams (primarily in solid waste management, project management, NDA, and consumables and subcontracts).
 - (+\$3.0M) Efficiencies experienced in completing facility modifications, early D&D of ancillary buildings, and the removal of asbestos and non-process equipment from 234-5Z.
 - (+\$2.5M) Overhead allocations.
 - (-\$3.2M) Inability to perform work due to the safety stand-downs, work stoppages and implementation of recovery actions, while labor costs for the field work teams remained relatively constant.

- (-\$2.6M) Use of overtime and additional usage-based services (MSA Brokered Resources) to recover schedule.
- Recovery – this positive cost variance is expected to continue to decline as corrective actions and recovery plans are implemented. Additional overtime and weekend work will be used to mitigate schedule delays and maintain baseline milestones. As a result of near-term actions taken (installation of air conditioning, work simulations, dedicated resources, planning templates), efficiencies are expected during execution of D&D work scope which will bring cost performance at or better than plan.
- The RL-0011 CTD positive variance (+\$3.6M) is due to efficiencies recognized on cross-cutting support to the D&D work teams (primarily in solid waste management, project management, NDA, and consumables and subcontracts), early demolition of ancillary buildings, and the removal of asbestos and non-process equipment from 234-5Z. This positive cost variance will diminish as corrective actions and recovery plans are implemented. Additional overtime will be used to mitigate schedule delays and maintain baseline milestones. Overtime will be monitored closely to ensure the CTD CPI remains at 1.00 or greater.
- The RL-0013 CTD negative variance (-\$3.2M) reflects the following subproject performance:
 - RL-0013 TRU Waste (-\$5.7M) – Increased TRU Retrieval operational costs associated with upset conditions and TRU Retrieval support and management costs in support of deteriorated waste containers and inability to make progress due to delays in recovery plan implementation, increased allocations for additional office space and other assessments as a result of increased Recovery Act expenditures; partially offset by lower ramp up and training costs for TRU Characterization and Shipping and efficiencies in T-Plant.
 - RL-0013 MLLW Treatment (+\$2.6M) – Costs for MLLW are below plan due to efficiencies created by treating waste at ES-Clive rather than planned treatment at PermaFix Northwest (due to a waiver received from DOE), efficiencies in procurement of Type A Waste container, and decreased operational costs at CWC.
 - ARRA RL-0040.RI.2 Outer Zone D&D (+\$5.2M) – The favorable cost variance is due to efficiencies in ALE Facilities D&D (+\$4.0M) and Outer Area waste sites within threshold (+\$2.3M). A waste site favorable CTD variance is due to an O Zone RTD Waste Sites adjustment (pass back) to ERDF waste disposal costs to reflect the operational efficiencies of the super dump trucks and delays in billing from the BCCA subcontractor that is partially offset by increased cost for 212N/P/R (-\$0.9M). In addition, a negative cost variance is associated with the disposition of railcar (-\$0.2M) due to unplanned costs for non-destructive analysis of the cars.
- The RL-0013 CTD negative variance (-\$1.4M) reflects the following subproject performance:
 - RL-0013 MLLW Treatment – Costs for MLLW are below plan due to efficiencies created by treating waste at ES-Clive rather than planned treatment at PermaFix Northwest (due to a waiver received from DOE), efficiencies in procurement of Type A Waste container, and lower costs for ERDF.
 - RL-0013 – TRU Waste – Increased TRU Retrieval project operational costs associated with inability to make progress due to upset conditions and TRU Retrieval support and management costs in support of deteriorated waste containers, increased allocations for additional office space and other assessments as a result of increased Recovery Act expenditures, partially offset by lower ramp-up and training costs for TRU Characterization and Shipping, and efficiencies in T-Plant.

Base Performance by PBS (\$M)

	\$M							
	Contract to Date					Contract Period		
	Budgeted Cost		Actual Cost	Variance		BAC	EAC	Variance
	BCWS	BCWP	ACWP	Schedule	Cost			
RL-0011 - Nuclear Mat Stab & Disp PFP	121.7	118.6	116.2	(3.1)	2.4	340.8	337.4	3.3
RL-0012 - SNF Stabilization & Disp	164.3	160.1	164.8	(4.2)	(4.7)	577.4	585.0	(7.6)
RL-0013 - Solid Waste Stab & Disp	227.8	225.6	227.8	(2.2)	(2.2)	1,573.2	1,567.7	5.5
RL-0030 - Soil & Water Rem-Grndwtr/Vadose	249.2	237.9	235.0	(11.4)	2.9	1,207.8	1,204.9	2.9
RL-0040 - Nuc Fac D&D - Remainder Hanfrd	47.3	47.3	41.2	(0.0)	6.2	979.0	969.5	9.6
RL-0041 - Nuc Fac D&D - RC Closure Proj	21.5	24.2	21.6	2.7	2.6	377.5	348.8	28.6
RL-0042 - Nuc Fac D&D - FFTF Proj	9.9	9.9	9.3	0.0	0.6	25.0	23.8	1.2
Subtotal	841.8	823.6	816.0	(18.1)	7.6	5,080.7	5,037.2	43.5
Management Reserve						173.8		
Fee			38.9			231.9		
Total			854.9			5,486.5		

Base

The CTD unfavorable Schedule Variance (-\$18.1M/-2.2%) is within reporting thresholds and reflects:

- The RL-0030 CTD negative variance (-\$11.4M) is due to the following variances that exceeded reporting thresholds:
 - 100-HR-3 Operable Unit (-\$5.1M) – 1) Delays in sampling analysis which will not occur until the start of RI/FS well drilling, now planned for October (this is a result of realized risk), 2) Delays in construction of the in situ bioremediation treatability test, 3) Delays in HX design activities that have impacted field work (distribution of electricity and piping, construction of HX process building and full scale bioremediation).
 - 300-FF-5 Operable Unit (-\$2.4M) – Delays in the Treatability Test Plan (TTP) and Alternative Barrier Emplacement efforts. The TTP was predicated on a successful infiltration test therefore the follow on work is being reviewed and is expected to be performed in FY2011.
 - Regulatory Decision/Closure (-\$2.4M) Work scope that is in the current baseline that is changing as part of the new Central Plateau Closure Strategy. The new strategy will be implemented later this year.
- The RL-0012 combined 100K and STP CTD negative variances (-\$4.2M) are within reporting thresholds.
- The RL-0011 CTD negative variance (-\$3.1M) is due to safety stand-down and stop works, delayed equipment procurement for manually size reducing pencil tanks, canyon crane operability, and breathing air suspensions are contributing to this variance.
Recovery - A BCR is being prepared to incorporate the manual size reduction approach into the PRF Plan and remove the scope associated with the procurement of the BROKK. This BCR will be developed and implemented in November.
- The RL-0013 CTD negative variance (-\$2.2M) is due to Long-Term Box Storage delayed by Readiness Assessment review and alternative solutions evaluation coupled with diversion of resources to higher priority work; WESF ventilation upgrade vendor schedule delay for Alternatives Analysis and enhanced PRC Safety practices and work management requirements; Canister Storage

Building (CSB) and Liquid Effluent Facilities (LEF) engineering activities delay due to resource availability (assigned to higher priority activities).

- The RL-0041 CTD positive variance (+\$2.7M) is due to the following:
 - Waste Sites (+\$4.1M) – A positive schedule variance is a dramatic correction from last month. This reversal is due to the following factors: (+\$1.9M) was added when RL accepted CSNA documentation; (+\$1.4M) is associated with completion of 100-K-56 Part 2 with much less effort than anticipated; and (+\$0.8M) is associated with early completion of CSNA scope.
 - 100K Area Project (Facilities and Others) (-\$1.4M) – The negative variance is from Facilities (-\$1.1M) where a large group of buildings have begun the characterization/deactivation planning process, but no field work can be performed until after the utilities upgrade occurs this fall, so no performance could be taken; and 105KE Reactor (-\$0.3M) due to delay in completion of core characterization and 60% design submittal.
- The RL-0040 and RL-0042 CTD variances (+\$0.0M) are within reporting thresholds.

The CTD favorable Cost Variance (+\$7.6M/+0.9%) is within reporting thresholds and reflects:

- The RL-0040 CTD positive variance (+\$6.2M) is associated with recognized efficiencies for demolition of the Industrial 7 Project (D4) (+\$0.6M) as a result of utilization of existing site equipment and materials, surveillance and maintenance costs (D4) (+\$0.8M) less than expected, completed the sampling of Cell 30 with less resources than planned (+\$0.9M), Program Management utilizing less resources (+\$1.2M), capital equipment (+\$0.3M), Usage Base Services (+\$0.1M) and underrun in G&A and direct distributable allocations (+\$1.2M). In addition, minor accounts outside the threshold (+\$0.2M). The favorable cost variance for Waste Sites (+\$0.9M) is due to less extensive regulatory support labor required for the U Zone agreement-in-principal and an inadvertent overstatement of performance related to the 600 Central Landfill barrier in March 2010 and the completion of a confirmatory sampling waste site located within BC Controlled Area.
- The primary contributors to the RL-0030 CTD positive variance (+\$2.9M) that exceed reporting thresholds are as follows:
 - GW Monitoring & Performance Assessments (-\$2.7M) – WSCF cost for FY2009 and FY2010 coming in higher than what was planned. The primary drivers for the increase are rate increases and G&A adders that are charged to the direct account that were not in the plan. Overrun in this WSCF account is expected to continue and will be managed by funds within the project.
 - 100-NR-2 OU (+\$1.7M) – Performing chemical treatment and maintenance scope, jet grouting pilot test work and RI/FS Work Plan and Interim Proposed Plan Reporting more efficiently than planned.
 - 200-ZP-1 Operable Unit (+\$2.3M) – 1) Interim Operations reflects significant progress and cost underruns have been achieved to date for Annual System Calibration, 2) Design of the permanent hookup of well EW-1 was lower than planned as only minor changes were needed to an existing design, 3) Cost for performing general operating and maintenance and minor modification activities have been lower than planned as the system has been running smoothly, 4) Cost for collecting depth-discrete groundwater and soil samples during the installation of new wells was less than planned.
 - Usage Based Services (-\$1.6M) – Increased cost associated with training due to the additional ARRA work and fleet services cost that occurred in FY2009. Overruns will continue to be funds managed within the S&GRP project.
- The RL-0041 CTD positive variance (+\$2.6M) is due to the following:
 - Waste Sites (+\$3.0M) – The positive cost variance arises from early completion of 100-K-56 Part 2 and CSNA scope.

- 100K Area Project (Facilities and Others) (-\$0.4M) – The negative variance is from Facilities (-\$0.7M) due to 1706KE/KEL/KER overruns last year on the above-grade demolition; Project Management (-\$0.6M) due to the higher-than-planned number of vehicles being utilized by the project; and G&A (\$-0.3M) due to rate adjustments. This is partially offset by the positive variance in 105KE Reactor (+\$1.2M) due to over-estimation of enabling documents and core characterization costs.
- The RL-0011 CTD positive variance (+\$2.4M) is the result of early completion of Special Nuclear Material De-Inventory, D&D Materials Subcontracts, Waste Container Procurements, D&D staff ramp-up, recognized efficiencies in Min-Safe Operations and Demolition, and PRF east gallery glovebox cleanout.
Recovery – This positive cost variance is expected to decrease with increased utilization of overtime to recover schedule associated with the PRF canyon floor cleaning and pH and Pulsar Hood Removal.
- The RL-0012 combined 100K and STP CTD negative variances (-\$4.7M) are within reporting thresholds.
- The RL-0013 negative variance (-\$2.2M) is due to increased assessments above plan, TRU Retrieval additional resources to deal with the deteriorated containers, WRAP incurring increased levels of corrective and preventive maintenance activities as a result of repack operations, partially offset by efficiencies in Liquid Effluent Facilities (LEF), MLLW (due to treating waste at Energy Solution in Clive, UT (ES-Clive) rather than planned treatment at PFNW, SNF Disposition, and TRU Disposition.
- The RL-0042 CTD positive variance (+\$0.6M) is within reporting thresholds.

FUNDING ANALYSIS

FY2010 Funds vs. Spending Forecast (\$M)

PBS	Project	FY 2010		
		Base line Funding	Spending Forecast	Variance
RL-0011	Nuclear Materials Stabilization and Disposition	106.7	101.2	5.5
RL-0013	Waste and Fuels Management Project	129.0	125.1	4.0
RL-0030	Soil, Groundwater and Vadose Zone Remediation	108.4	102.6	5.8
RL-0040	Nuclear Facility D&D, Remainder of Hanford	117.7	109.8	7.9
RL-0041	Nuclear Facility D&D, River Corridor	99.4	110.4	(11.0)
Total ARRA:		561.2	549.1	12.1
RL-0011	Nuclear Materials Stabilization and Disposition	57.2	51.3	6.0
RL-0012	Spent Nuclear Fuel Stabilization and Disposition	86.5	78.3	8.1
RL-0013	Waste and Fuels Management Project	108.0	102.3	5.7
RL-0030	Soil, Groundwater and Vadose Zone Remediation	176.4	146.5	29.9
RL-0040	Nuclear Facility D&D, Remainder of Hanford	25.4	16.8	8.6
RL-0041	Nuclear Facility D&D, River Corridor	35.6	16.7	18.9
RL-0042	Fast Flux Test Facility Closure	1.6	1.2	0.4
Total Base:		490.8	413.0	77.8
Combined ARRA/Base Total:		1,052.0	962.1	89.9

Funds/Variance Analysis:

Projected Funding includes FY2009 carryover funds and FY2010 new budget authority. A number of actions are being evaluated to address the ARRA negative variance in RL-0041.

BASELINE CHANGE REQUESTS

In August 2010, CHPRC approved and implemented four (4) baseline change requests, of which two (2) are administrative in nature and did not change budget, schedule or scope.

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

Change Request #	Title	Summary of Change
Implemented into the Earned Value Management System for August 2010		
BCR-PRC-10-042R0	Modify Waste Volumes for Balance of 234-5Z	There is no change to contract scope; however, the performance measurement baseline (PMB) scope is adjusted as follows: During further definition of work scope associated with D&D of the Balance of the 234-5Z facility at the Plutonium Finishing Plant (PFP) the waste volume quantities were re-assessed. Low-level and mixed-low level waste volume quantities are identified and updated based on more information specific to work areas and quantities of material to be removed. In addition, it was found that the unit for waste quantities, specifically cubic feet, was erroneously used instead of cubic meters to calculate waste disposal budget in work breakdown structure (WBS) element 011.05.01.17, "D&D Balance of 234-5Z". The overall net result is a reduction in the waste volume quantities resulting in reduced budgets for both waste disposal and waste container procurements at PFP. There is no change to funds as a result of this change request and no management reserve is used.
BCR-R13-10-005R0	Additional TRU Large Package Repack	This change request documents an adjustment to the American Recovery & Reinvestment Act (ARRA) Reapportionment consistent with the scope of work outlined in the DOE-HQ approved Project Specific Recovery Plans (e.g. solid/TRU waste disposal, et cetera). Specifically, the available portion of the Waste Encapsulation & Storage Facility (WESF) Ventilation Upgrades are transferred from the ARRA funded portion of the contract, CLIN 6, to the Base funded portion of the contract, CLIN 1, and the TRU Large Package Repackage activities are transferred from the Base funded portion of the contract, CLIN 3, to the ARRA funded portion of the contract, CLIN 6. Furthermore, this change includes additional TRU Large Package Repackage activities designed to provide an alternate feed stream for Mixed/Low Level Waste (M/LLW) Treatment, versus the current stream of M/LLW fall outs from TRU Retrieval. This change is consistent with the revised ARRA Project Operations Plan (POP) which removes the WESF K1/K3 Upgrades. Adjustments to the M/LLW treatment volumes and timing will be made in a subsequent change. RL authorization to transfer scope from ARRA to Base and Base to ARRA is provided. In addition, this change aligns the planned Recovery Act scope with Contract Modification 108 which includes "Initiate retrieval and disposition of remote-handled TRU waste (including large package waste,". There is no change to ARRA key performance parameter metrics as a result of this change request. There is no change in ARRA funding (no change in estimate at completion ARRA funds) and FY2010 Base reserve funding is increased. No management reserve is used.
BCRA-PRC-10-052R0	FY2010 to FY2011 Base Year Escalation Shift	This administrative change request incorporates the base year shift for escalation into the PRC Baseline. All non-labor resources are multiplied by 1.028 to shift the unit dollar values from FY2010 dollars to FY2011 dollars. While all non-labor resources are adjusted both in the P6 schedule and the CEIS database, the overall budget change as priced in COBRA is zero because there is no longer an escalation factor for FY2011. Since selected P6 schedule activities are split to enable fiscal year breaks and budget quantity units are changed, a Before and After schedule is included with this change request. Also, during transition from FY2010 to FY2011, with the exception of Waste Category Resources, all non-labor Resource Types in CEIS were adjusted with an increase of 2.8%. Application of the increase accommodated the "Base Year Shift". As a result of the increase, certain subcontractor and material & equipment narrative supporting parametrically driven values in CEIS may show an increase of 2.8%. Data input into CEIS after this increase will not be affected. An electronic copy of the updated CEIS database is available upon request but is not included with this change request due to the size of the data (e.g., CEIS is an access database which cannot be copied into IDMS and a hard copy printout is not pragmatic). No management reserve is used.

Change Request #	Title	Summary of Change
BCRA-012-10-010R0	Functional Organization Code (FOC) Changes per CHPRC-Communication No. CH1007-19	This change request aligns the Functional Organization Code (FOC) groups consistent with the CHPRC-Communication No. CH1007-19, "Sludge Treatment Project Aligned with D&D," dated July 31, 2010. Specifically, the FOC group changes are: Move WBS elements under 012.16 Sludge Treatment Project from FOC Group 3F – Engineering, Procurement & Construction to FOC Group 3A – 100K Area Project & BOS D&D. There is no change to budget, scope, or schedule as result of this change. No management reserve is used as a result of this change. There is no change to the Work Breakdown Structure.

Overall, the contract period PMB budget is reduced \$5,416.5K in August 2010. There is no use of management reserve in August 2010. See the Format 3 Report in Appendix A and A-1 for a complete listing of the specific change requests and the impact on the PMB budget by fiscal year. The change to the Estimated Contract Price, if all authorized, un-priced work scope were definitized at the PMB values, as a result of change requests processed in August 2010, is a reduction of \$5,416.5K and is summarized by fiscal year in the tables below (negative number represents reduction):

August 2010 Summary of Changes to Estimated Contract Price

	FY 2009	FY 2010	FY 2011	FY 2012	FYs 2009-2013	FYs 2014-2018
July 2010 Contract Price						
PMB	653,426	989,457	1,002,978	693,950	3,956,929	2,432,841
Mgmt Rsrv (MR)	0	25,246	30,163	30,200	117,909	86,300
Fee	39,712	48,772	49,036	40,377	210,649	93,429
Total	693,138	1,063,475	1,082,177	764,528	4,285,487	2,612,571
Change by Funding Source to Contract Price in August 2010 (4 BCRs)						
PMB						
ARRA						
All ARRA WBSs	0.0	-221	-4,660	0	-4,880	0
Base						
All Base WBSs	0	-1,745	50	1,159	-536	0
Change to PMB	0	-1,966	-4,610	1,159	-5,417	0
MR						
ARRA						
All ARRA WBSs	0	0	0	0	0	0
Base						
All Base WBSs	0	0	0	0	0	0
Change to MR	0	0	0	0	0	0
Fee						
ARRA						
All ARRA WBSs	0	0	0	0	0	0
Base						
All Base WBSs	0	0	0	0	0	0
Change to Fee	0	0	0	0	0	0
Total Change	0	-1,966	-4,610	1,159	-5,417	0
August 2010 Contract Price						
PMB	653,426	987,491	998,369	695,109	3,951,512	2,432,842
MR	0	25,246	30,163	30,200	117,909	86,300
Fee	39,712	48,772	49,036	40,377	210,649	93,429
Total	693,138	1,061,510	1,077,567	765,687	4,280,070	2,612,571

Changes to/Utilization of Management Reserve in August 2010

		FY 2009	FY 2010	FY 2011	FY 2012	FY 2009-2013	FY 2014-2018
Management Reserve (MR) - End of July 2010							
ARRA	RL-0011.R1	0	1,700	2,000	0	3,700	0
	RL-0013.R1.1	0	0	0	0	0	0
	RL-0013.R1.2	0	4,133	2,292	0	6,425	0
	RL-0030.R1.1	0	0	0	0	0	0
	RL-0030.R1.2	0	1,414	3,371	0	4,784	0
	RL-0040.R1.1	0	2,000	2,800	0	4,800	0
	RL-0040.R1.2	0	0	0	0	0	0
	RL-0041.R1	0	4,500	6,200	0	10,700	0
ARRA Total	0	13,746	16,663	0	30,409	0	
Base	RL-0011	0	1,000	1,500	11,000	23,700	0
	RL-0012	0	3,800	3,800	3,500	14,600	12,200
	RL-0013	0	1,000	500	4,000	11,500	23,000
	RL-0030	0	3,000	3,500	4,500	15,400	9,000
	RL-0040	0	2,000	3,000	3,500	13,000	23,400
	RL-0041	0	500	1,000	3,500	8,500	17,700
	RL-0042	0	200	200	200	800	1,000
Base Total	0	11,500	13,500	30,200	87,500	86,300	
MR Total	0	25,246	30,163	30,200	117,909	86,300	
Changes to/Utilization of Management Reserve in August 2010							
ARRA	RL-0011.R1	0	0	0	0	0	0
	RL-0013.R1.1	0	0	0	0	0	0
	RL-0013.R1.2	0	0	0	0	0	0
	RL-0030.R1.1	0	0	0	0	0	0
	RL-0030.R1.2	0	0	0	0	0	0
	RL-0040.R1.1	0	0	0	0	0	0
	RL-0040.R1.2	0	0	0	0	0	0
	RL-0041.R1	0	0	0	0	0	0
ARRA Total	0	0	0	0	0	0	
Base	RL-0011	0	0	0	0	0	0
	RL-0012	0	0	0	0	0	0
	RL-0013	0	0	0	0	0	0
	RL-0030	0	0	0	0	0	0
	RL-0040	0	0	0	0	0	0
	RL-0041	0	0	0	0	0	0
	RL-0042	0	0	0	0	0	0
Base Total	0	0	0	0	0	0	
MR Total	0	0	0	0	0	0	
Management Reserve - End of August 2010							
ARRA	RL-0011.R1	0	1,700	2,000	0	3,700	0
	RL-0013.R1.1	0	0	0	0	0	0
	RL-0013.R1.2	0	4,133	2,292	0	6,425	0
	RL-0030.R1.1	0	0	0	0	0	0
	RL-0030.R1.2	0	1,414	3,371	0	4,784	0
	RL-0040.R1.1	0	2,000	2,800	0	4,800	0
	RL-0040.R1.2	0	0	0	0	0	0
	RL-0041.R1	0	4,500	6,200	0	10,700	0
ARRA Total	0	13,746	16,663	0	30,409	0	
Base	RL-0011	0	1,000	1,500	11,000	23,700	0
	RL-0012	0	3,800	3,800	3,500	14,600	12,200
	RL-0013	0	1,000	500	4,000	11,500	23,000
	RL-0030	0	3,000	3,500	4,500	15,400	9,000
	RL-0040	0	2,000	3,000	3,500	13,000	23,400
	RL-0041	0	500	1,000	3,500	8,500	17,700
	RL-0042	0	200	200	200	800	1,000
Base Total	0	11,500	13,500	30,200	87,500	86,300	
MR Total	0	25,246	30,163	30,200	117,909	86,300	

SELF-PERFORMED WORK

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

Contract-to-Date Actual Awards & Mods								Projection through FY18	
10/01/08 thru 8/31/2010								Planned Subcontracting*	\$2,524,483,195
Contracts + Purchase Orders + Pcards								Contract-to-Date Awards =	\$1,275,049,198
Reporting Classification	ARRA		Non-ARRA		Total (\$)	Percent of Total	Goal (%)	Balance Remaining to Award =	\$1,249,433,997
	(\$)	%	(\$)	%				Goal Award (\$)	Bal. to Goal (\$)
SB	\$314,390,633	57.20%	\$332,422,089	45.82%	\$646,812,721	50.73%	49.30%	\$1,244,570,215	\$597,757,494
SDB	\$61,927,427	11.27%	\$56,132,723	7.74%	\$118,060,150	9.26%	8.20%	\$207,007,622	\$88,947,472
SWOB	\$70,935,415	12.91%	\$60,673,151	8.36%	\$131,608,566	10.32%	6.50%	\$164,091,408	\$32,482,842
HUB	\$8,269,117	1.50%	\$13,083,184	1.80%	\$21,352,301	1.67%	3.20%	\$80,783,462	\$59,431,161
VOSB	\$50,358,612	9.16%	\$29,020,968	4.00%	\$79,379,580	6.23%	2.00%	\$50,489,664	(\$28,889,916)
SDVO	\$6,974,365	1.27%	\$6,973,521	0.96%	\$13,947,886	1.09%	2.00%	\$50,489,664	\$36,541,778
NAB	\$5,831,522	1.06%	\$5,871,356	0.81%	\$11,702,878	0.92%	0.00%	<i>*10-year subcontracting projection</i> PRC clause H.20 small business (SB) requirement: ≥17% of Total Contract Price performed by SB Total Contract Price: \$4,847,121,172 17% requirement: \$824,010,599 Awarded: \$646,812,721 Balance to Requirement: \$177,197,878	
Large	\$171,422,236	31.19%	\$252,127,533	34.75%	\$423,549,769	33.22%	0.00%		
GOVT	\$44,847	0.01%	\$858,332	0.12%	\$903,178	0.07%	0.00%		
GOVT CONT	\$63,681,655	11.59%	\$136,679,617	18.84%	\$200,361,272	15.71%	0.00%		
EDUC	\$2,274	0.00%	\$46,485	0.01%	\$48,759	0.00%	0.00%		
NONPROFIT	\$30,960	0.01%	\$3,217,982	0.44%	\$3,248,942	0.25%	0.00%		
FOREIGN	\$28,080	0.01%	\$88,934	0.01%	\$117,014	0.01%	0.00%		
Total	\$549,600,685		\$725,448,513		\$1,275,049,198				

Notes:

1. Performance in FY2010 continues to exceed goals in the Small Business, Disadvantaged Business, Woman Owned, and Veteran Owned categories.
2. Over 50% of awards have been made to small businesses with over 57% of ARRA awards to small businesses.
3. ARRA-funded awards have accounted for 43% of all actions placed since contract inception.
4. Over 94% of the total dollars arise from service and staffing Contracts and Contract amendments with less than 4% of the dollars arising from P-card purchases and the balance from purchase orders for materials and equipment.
5. This report excludes blanket contract values which are only estimates and not used for payment obligations.
6. Data is summarized by business categories (WMBE codes) in accordance with socioeconomic reporting requirements. Small business categories overlap and should not be added together.

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

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