

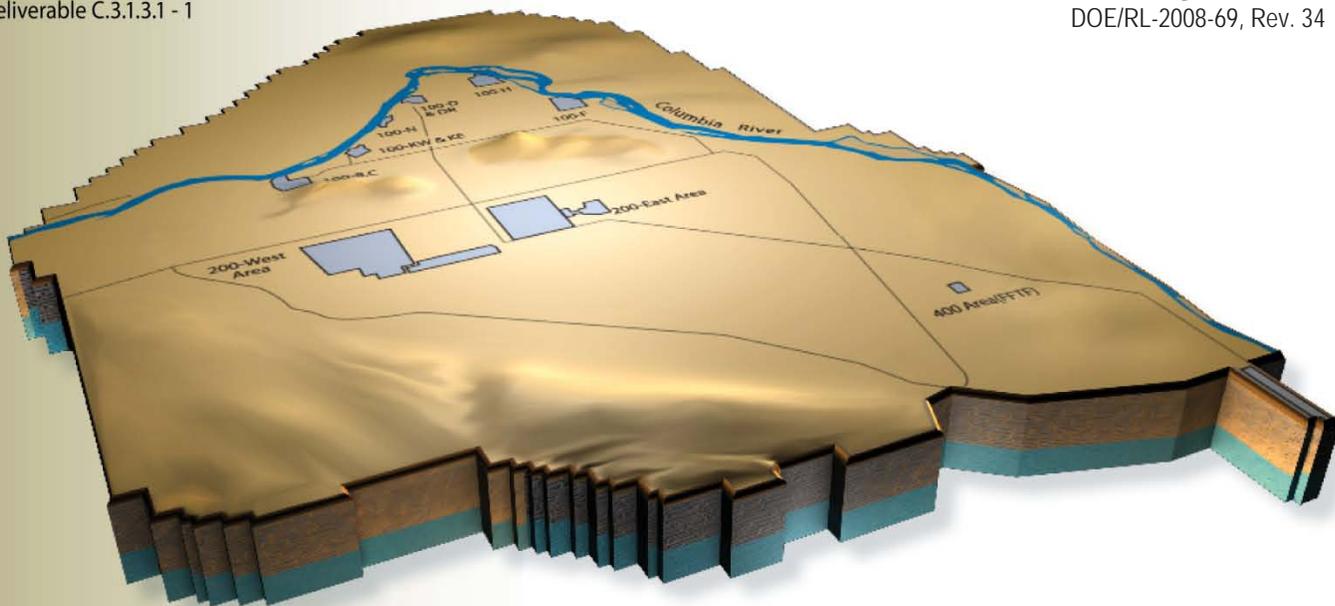


J. G. Lehew
President and Chief
Executive Officer

Monthly Performance Report

U.S. Department of Energy Contract,
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PROJECT BASELINE SUMMARY SECTIONS

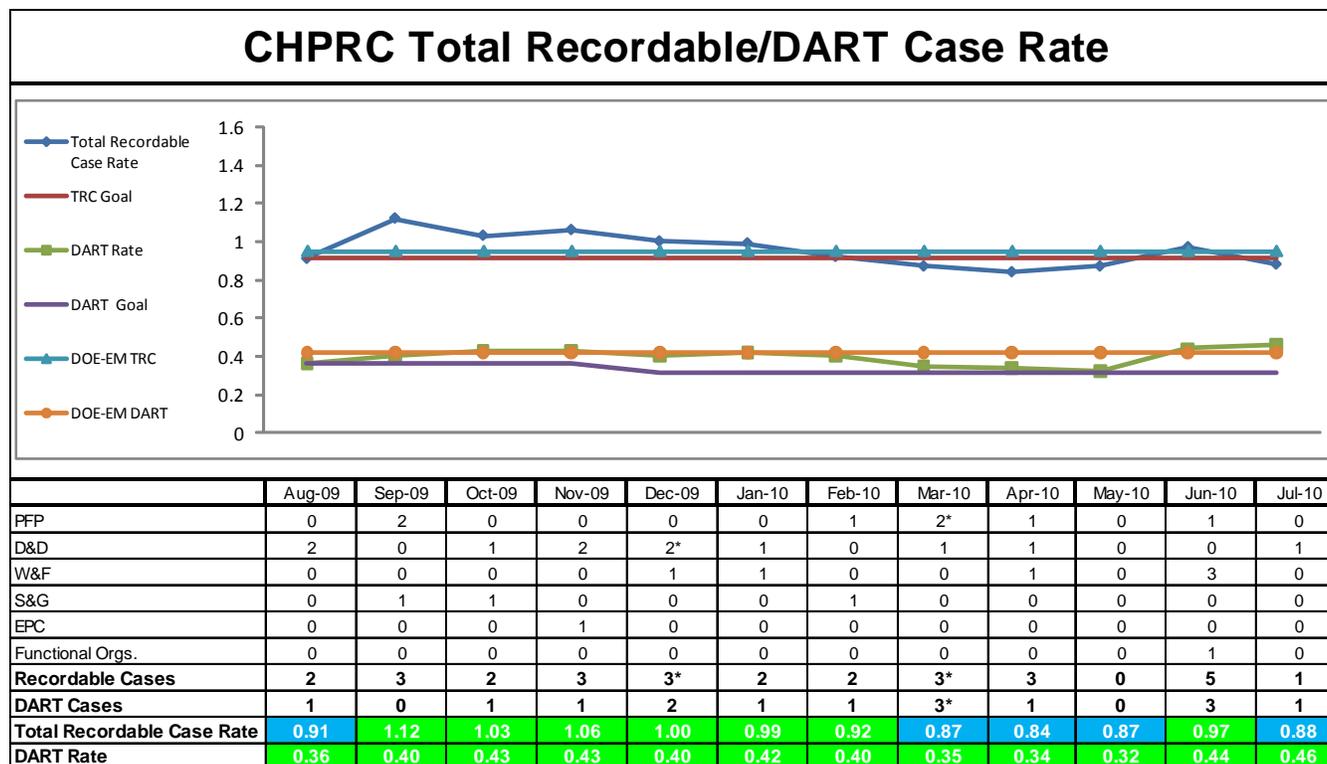
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APPENDICES

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TARGET ZERO PERFORMANCE July 2010

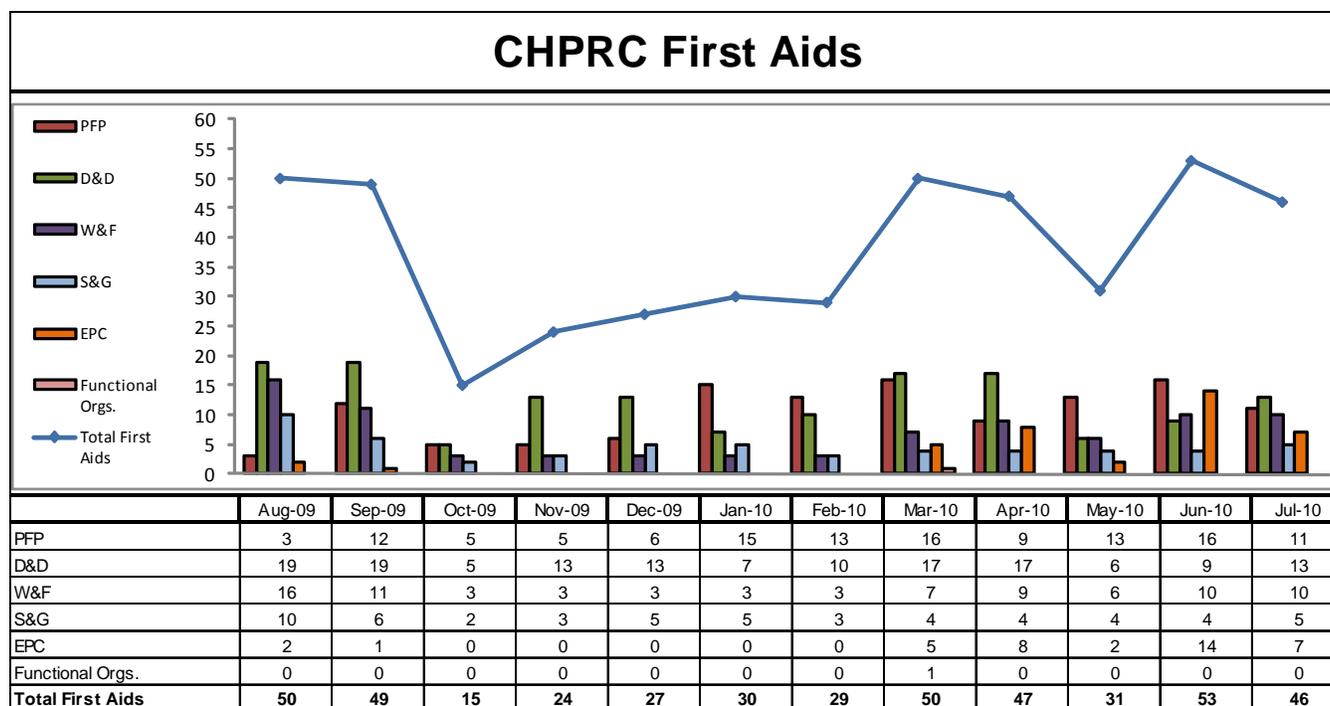
CHPRC continued focusing on integrating safety programs in all program and project areas.



Total Recordable Injury Case (TRC) Rate – The 12 month rolling average TRC rate of 0.88 is based upon a total of 29 recordable injuries for the period. One case from December was determined to be recordable resulting in days away. One case in July was determined to be recordable resulting in days away. Ten cases are currently under review requiring additional information. The EM TRC rate for CY 2009 equals 0.97.

Days Away, Restricted or Transferred (DART) Workdays Case Rate – The 12 month rolling average DART rate of 0.46 is based upon a total of 15 cases. The DART rate is slightly higher than any month in this period. The EM DART rate for CY 2009 equals 0.42.

(* 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 July. Sprains, strains and pains were the leading injuries followed closely by undescribed/precautionary checks. Nearly 60% of the injuries occurred in transit to or from the worksite or from task to task.

Precautionary evaluations due to an increase in events where there was a suspicious odor or an unknown. There was an increase in minor cuts and lacerations due to personal contact.

PROGRAM SUMMARIES

Safety, Health, Security, and Quality

The SHS&Q organization continued work on improvement of the Chronic Beryllium Disease Prevention Program (CBDPP). Dedicated industrial hygiene (IH) personnel have been added to project ranks to expedite characterization and monitoring at work locations. CHPRC continues to complete implementation actions on schedule while working with DOE and other site contractors to modify the site CBDPP.

SHS&Q completed several milestones necessary to improve IH reporting and record keeping, including development of training materials to support the interim IH database, import of instrument tracking database into the site wide IH database and development of software requirements for the site wide database.

SHS&Q continues to work with Business Services to improve contracting tools (e.g. CHPRC Contractor Pre-Qualification Form and the Occupational Safety and IH of BTR training) to enhance subcontract safety performance.

An Independent Assessment of the Liquid Waste & Fuels Storage (LWFS) element of the W&FM Project was conducted to evaluate LWFS implementation of programs, procedures, and policies for conduct of work. The assessment focused on the adequacy, compliance, and in-field execution of work activities and processes that support the project's mission.

Management systems at LWFS were in place and functional. Some systems were deemed effective and others in need of improvement. Examples of effective management systems included the LWFS Plan of the Day, Facility Manager Interface, and LWFS EZAC.

Environmental Program and Strategic Planning (EPSP)

Compliance Inspections

Regulatory staff from RL, CHPRC and Washington State Department of Health (WDOH) observed the Waste Receiving and Process (WRAP) facility upgrading from outdated HEPA filters to the new exhaust system filter bank 202-B.

On July 8, WDOH performed an annual major stack inspection of Stack 296-B-10 located at the Waste Encapsulation and Storage Facility (WESF) in the 200 East Area to “validate information needed to demonstrate compliance to requirements referenced in the license for this emission unit and WAC 246-247.” A number of documents were requested and subsequently provided. A July 21, 2010 letter closed out the inspection with no issues noted.

WDOH collected air samples during demolition of the 100KE reactor stack on July 23, 2010.

CHPRC received the closeout letter from the May 27 WDOH inspection of the 291-T-1 emission unit at T Plant, indicating that no issues were noted.

Regulatory Interface

CHPRC hosted a tour of the 100-K Area for WDOH and U.S. Environmental Protection Agency (EPA) to better familiarize them with the practices that CHPRC Waste Site Remediation and the Washington Closure Hanford D4 Project employ to control potential radioactive air emissions. The EPA requested several documents which were provided to them, and no issues were identified.

CHPRC provided a road tour for the State of Washington Department of Ecology (Ecology) of two outer area treatment, storage, and/or disposal (TSD) unit soil sites; the 216-B-3 Pond (B-Pond) and the 216-S-10 Pond/Ditch. This tour was conducted to provide Ecology a better understanding of these TSD units and see where they are located. Requested information was provided, and no issues or concerns were identified.

Project Regulatory Support

100 K Core Removal/National Environmental Policy Administration (NEPA): On July 16, 2010 DOE-HQ approved the NEPA supplement analysis for “Decommissioning of Eight Surplus Reactors at the Hanford Site, Richland, Washington” following resolution of very minor comments. As a result, DOE-HQ Amended the Record of Decision for the reactor decommissioning environmental impact statement on July 23, 2010. Publication allows the 100-K D&D Project to proceed with the option to dismantle the 105-KE reactor core rather than remove it as one piece, as determined in the original record of decision, published January 1993.

Project Strategic Planning Support

Waste and Fuels TRU: CHPRC provided TRU Disposition information on PUREX laboratory operations from 1970 through 1972, in support of 218-E-12B waste retrieval activities to RL. During this period the PUREX laboratory supported B Plant Cesium and Strontium operations and cleanout of the PUREX D-5 Sample Cave.

Strategic Planning

Risk Analysis: Initiated development of the risk analysis for the ARRA Reapportionment BCR. The analysis will form the initial basis for the risk analysis needed for updates to the PMB that will be made to respond to comments from RL on PRC Baseline, Revision 2. This risk analysis will also minimize the time required to complete the analysis of the changes to PRC Baseline, Revision 2.

Began the annual update to the PRC risk analysis and Risk Management Plan, including new risk elicitation and updates to the PBS risk registers. The updated risk data will be used to update the risk analysis annually in accordance with the CHPRC Risk Management Plan. The annual update coincides with the update being performed for PRC Baseline, Revision 2 which will form the cost and schedule analytical basis for the annual update.

Project Execution Plan: Updated the CHPRC Project Execution Plan (PRC-MP-MS-19361) to reflect corrective actions including organization changes associated with the conduct of work mentoring, work control, and process improvement project.

Business Services and Project Controls

In July 2010, CHPRC approved and implemented nine (9) baseline change requests, of which four (4) are administrative in nature and did not change budget, schedule or scope.

The nine (9) change requests are summarized in the Baseline Change Requests section of the Overview. Overall, the contract period PMB budget increased \$656.9K in July 2010. There was no use of management reserve in July 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 July, Prime Contracts received and processed three (3) contract modifications (#096, 108, and 109) from RL. The Correspondence Review Team reviewed and determined distribution for 40 incoming letters and the Prime Contract Manager reviewed 67 outgoing correspondence packages.

In July, Prime Contracts worked with SHS&Q to establish the format for providing data used for metrics reporting of timeliness of outgoing correspondence to RL in response to action requests.

Property Management initiated the annual inventory of Sensitive Property in July. A total of 4,507 items will be inventoried. As of July 22, 4,485 items or 99.51% of the items have been verified constituting 99.52% of the total value. To date there have been seven (7) items valued at \$12,955 reported on Loss/ Damage/Destruction reports which represents less than half of one percent of the total value. Field work will continue through August 13 to complete the inventory of Soil and Groundwater Project property located in remote field locations.

During July, CHPRC Procurement group awarded/amended \$33.5M in subcontracts to support Base/ARRA acceleration objectives. Record levels of procurement volume have been processed over the first 22 months of the contract (\$1.23B in new awards including \$523 million for ARRA). The contract-to-date procurement volume encompasses 3,844 releases, 6,147 POs, and 103,124 P-Card transactions.

Breakdown of procurement sources by dollars:

- Approximately 93% of total expenditures (\$1.23B) arise from service and staffing contracts and amendments
- Approximately 4% of the reported expenditures are P-Card purchases (\$46.8M)
- Purchase orders for materials and equipment make up less than 2% of the total expenditures

Other Procurement activities for July included:

- Three excess documents totaling \$58,811.65 were prepared and sent to MSA Asset Control this reporting period
- Set up and ordered new Spare Parts for the Effluent Treatment Facility ETF 310 Retention System
- Set up new Spare Parts and a new Parent Piece of Equipment for the K-4 WESF Exhaust System and Chiller Units
- Provided requested information to DOE and to DOE-HQ on P-Card training and transactions

Interface Management support continued in July:

- Continued to work with AdvanceMed Hanford (AMH) and within CHPRC on resolution of issues related to scheduling of AMH exams for PRC workers
- A joint AMH/CHPRC facilitated session has been scheduled for August 19, 2010 to review processes and discuss how CHPRC can improve the current CHPRC processes for developing Employee Job Task Analysis and AMH medical exams
- Worked with the CHPRC Projects and Advanced Technologies and Laboratories (ATL) to develop an update to the projected FY2010 sample load and a new FY2011 projected sample load for the 222-S Laboratory from CHPRC. These updates include a significant increase in the number of projected high radiation samples associated with the Hanford Site Chronic Beryllium Disease Prevention Program. As part of this effort, a new Administrative Interface Agreement (AIA) between ATL and CHPRC documenting CHPRC's high radiation sample needs for the Hanford Site CBDPP was drafted.
- Worked with Mission Support Alliance (MSA) and Washington River Protection Solutions (WRPS) to develop proposed updates to the J.13 Hanford Site Structures List and J.14 Hanford Site Waste Site Assignment List contained in the CHPRC, MSA, and WRPS contracts for DOE consideration
- Continued to work with MSA Electrical Utilities and the CHPRC Project 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. CHPRC has completed a walk down and assessment of the situation and is setting up a meeting with Electrical Utilities for agreement on a resolution to the issue.
- Worked with MSA and WRPS to finalize the FY2010 update to the Hanford Site Interface Management Plan which was submitted by MSA to RL.
- CHPRC Project Controls and Interface Management continued to work with MSA to develop a forecast of CHPRC requirements for MSA services through FY2011. When completed, MSA will utilize the forecast to determine resource and funding needs to provide those services.
- In conjunction with MSA and the CHPRC W&FM Project, Interface Management completed an update to the Administrative Interface Agreement between CHPRC and MSA on Generating and Applying Solid Waste Information and Tracking System Barcode Labels to New Waste Containers.
- In conjunction with the CHPRC W&FM Project, a proposed update to the Administrative Interface Agreement between CHPRC and WRPS for interfaces between the 242-A Evaporator Facility and the Liquid Effluent Retention Facility was prepared and provided to WRPS for review.

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 July included:

- Qualified a new ASME B31.3 Bonding Procedure Specification for joining PVDF piping/fitting materials using the heat fusion bonding process. In addition, two bonders were qualified for installation of this material in support of the 200 W, Pump-and-Treat Project.
- Continued to work on initiating a System Health Report program for the PRC managed Vital Safety Systems. Full implementation is projected for the end of the Calendar Year (CY).
- EPC-ENG-WSA-10097, Configuration Management of 200W Construction Documents, was performed and an assessment report issued. The assessment identified corrective actions to increase

the rigor and frequency of oversight for subcontracted EPC vendors Construction Document Control processes.

- Met with S&GWR engineering staff and CHPRC Chief Information Officer Staff to discuss software quality assurance (QA) requirements for the 200W Pump-and-Treat. S&GWR engineering staff is preparing a matrix to map software QA requirements to engineering documentation.
- Continued to provide technical direction and design review to construction projects, e.g. Sludge Treatment Project (STP), 200W Pump-and-Treat, W&FM retrieval and treatment projects.
- Continued to provide technical support to the ARRA facilities projects, including Statement of Work review and approval, detailed design drawing checking and approval, calculation preparation, submittal reviews, Facility Modification Packages, Design Change Notices, Memorandum of Understanding review and approval, and field walk downs at the mobile office construction sites. 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 July showcased CHPRC cleanup progress in all scope areas across the Hanford Site: demolition in the 200 East Area, construction of the Groundwater Treatment Facility in the 200 West Area, waste site remediation in the 200 North Area, demolition and debris pile removal at the Arid Lands Ecology (ALE) Reserve, glovebox removal activities at the Plutonium Finishing Plant, and demolition in the 100K Area.

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 site.

The July issue of *On the Plateau*, featured the explosive demolition of the 116KE Reactor Exhaust Stack, clearing the U Canyon deck of equipment, continued construction of the 200 West Groundwater Treatment Facility, loading gloveboxes for disposal, and transuranic waste retrieval.

Public Affairs supported the development of press materials to showcase progress to external audiences and the media. Press releases and/or fact sheets were developed for the clearing of the U Plant canyon deck, removal of a debris site from the upper ALE Reserve, and explosive demolition in the 100K East Area. The Tri-City Herald also featured an article on the status of the disposition of railcars in the 200 North Area, and the K East Reactor in the 100K Area.

Communications provided input to DOE's presentation on Hanford stimulus progress presented at the July Tri-City Regional Chamber of Commerce "Recovery Act Progress at Hanford" program.

The team provided logistics support for the Blue Ribbon Commission on America's Nuclear Future in July during their visit to the Hanford Site. The Commission visited CHPRC's Waste Encapsulation and Storage Facility and the Central Waste Complex. Video and other communication tools were developed for DOE to share with external audiences.

At the request of RL, Public Affairs submitted potential articles for DOE-EM to showcase progress across the DOE complex. The most recent DOE-EM *Recovery Act Update* featured the innovative resin treatment at CHPRC's DX Groundwater Treatment Facility and the upcoming demolition of the 116KE Reactor Exhaust Stack. Articles submitted for future issues addressed the U Plant ancillary facility demolition and a profile of a nuclear chemical operator and administrative assistant that were hired with Recovery Act funding.

In July, CHPRC Internal Communications' weekly news video *InSite* continued to grow in viewership and receive positive feedback. With over 4,000 page views per month, it is the most heavily used section of Communications' intranet site by a wide margin.

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.

American Recovery and Reinvestment Act (ARRA)

Sixty-six gloveboxes and hoods have been removed from their originally installed locations at PFP with ARRA funds. Of these, 61 have been shipped out of PFP for treatment or disposal and five are staged for future size reduction and disposal as transuranic (TRU) waste. CHPRC has now shipped approximately 1,393 cubic meters of waste from PFP with support from ARRA funds, including 1,220 cubic meters of low level and mixed low level waste (LLW/MLLW), 151 cubic meters of TRU waste, and 22 cubic meters of non-radioactive waste.

234-5Z Laboratory Areas – A hood in Room 180 of Plutonium Process Support Laboratories (PPSL) was decontaminated, separated from its E4 connection, and was transferred to Solid Waste Operations for disposal as LLW.

Plutonium Processing Areas – Gross decontamination of the 70 foot long conveyor Glovebox HA-28 was completed. Non-destructive assay measurements and other preparations for chemical decontamination were then initiated on HA-28, HA-21I, and HA-20MB. As a prerequisite to remove three large gloveboxes from Room 230C, work resumed on the enlargement of the 658 doorway. External isolations continued on Gloveboxes 227-SA and HA-46, and preparations continued for isolation and equipment removal from Gloveboxes 200 and 300.

Infrastructure Systems – Non-destructive assay (NDA) measurements on the process vacuum system remain at 67% complete. NDA for transfer lines is now at 69% complete, having incorporated the use of historical data for several of the lines. The field crew has setup containment tents and other items per the work document. The set up work includes the portable glovebox for size reduction of long pieces of vacuum piping removed from overhead runs that was fabricated and staged for final setup in the work area upon release of the work document.

During the month of July, 224 feet of asbestos insulation was removed, bringing the total for asbestos insulation removed with ARRA funds to more than 9,700 feet and the total for CHPRC to more than 10,300 feet.

Field construction forces continued installation of a supplemental cooling system to improve safety and working conditions during D&D of the process facilities during the summer months.

2736Z/ZB Vault Facility – Removed about 50% of the support tubing and ventilation from Room 636. Staged 90% of the process equipment for removal from Room 642 Gloveboxes A, B, C and D. Completed transition of 2736-Z/ZB Complex to a D&D documented safety analysis (DSA).

242Z Americium Recovery Facility – 242Z Team installed temporary shielding to reduce the dose rates in front of Glovebox WT-2 (the location of the 1976 explosion). The team also completed 10 consecutive entries to size reduce, package and remove waste, change filter media, perform monthly GFCI checks, and prepare the gloveboxes for the next coats of fixative. Continued development of the work package to change the E-3 filters in Room 262 which will allow the team to exit the Limiting

Condition for Operation (LCO) and begin D&D work activities. Electrical isolation, mechanical isolation and temporary power work packages are ready to work.

Base

236Z Plutonium Reclamation Facility – The Readiness Assessment (RA) of the pencil tank size reduction activity was successfully completed. The RA team had two positive observations, four pre-start findings, five post-start findings and four observations and determined that upon successful completion of the pre-start findings and manageable list item, that size reduction can safely proceed. Work continued on the removal of the pulser glovebox and is approximately 50% complete. Canyon floor cleaning was initiated. On July 15, the canyon crane failed and repairs were initiated.

RL-0012 Spent Nuclear Fuel Stabilization and Disposition

The STP completed the final estimates on the residual sludge volume left in the settler tanks and the sludge transferred into Engineering Container (EC)-230. The engineering estimate is that approximately 8.85 liters (including 50% contingency) of sludge remained in the settler tanks, and 3.5 cubic meters of settler tank sludge is now confined in EC-230. Construction started work on the grating modifications necessary to install the guide tubes for sampling and expect to complete the work in early August. In addition, the settler tank sludge sampling Fuel-Special Packaging Authorization (F-SPA) checklist was approved by RL. After the Management Self-Assessment, sampling will be initiated.

Feedback from the Knockout Pot (KOP) Hazards and Accident Analysis identified a potential thermal instability should the KOP product material verification container be inadvertently lifted out of the basin water. The KOP Subproject design team is currently re-designing the verification container to eliminate this challenge. This evolution is an example of how the integration of safety into design approach has been institutionalized in the STP. In addition, the KOP Engineering team completed sufficient thermal modeling of the KOP material drying process to finalize the design parameters for the KOP scrap basket inserts. A procurement specification was initiated to support procurement of these inserts, which are anticipated to be long-lead Office of Civilian Radioactive Waste Management (OCRWM) procurements. Finally, a representative of the Acquisition Verification Services (AVS) organization conducted a QA program audit of the Joseph Oat Company to determine acceptability of adding them to the CHPRC Evaluated Suppliers List for supplying OCRWM compliant Multi-Canister Overpacks (MCOs). The field portion of the audit was completed and the KOP Subproject team is working on a specification revision that should allow a final audit report to be issued on August 4, 2010. Based on this report being final, a contract award for the three additional MCOs will be issued no later than August 9, 2010.

Testing at Maintenance and Storage Facility (MASF) continues to be a hub of activity for the upcoming component level tests and for the integrated test for Technology Readiness Level 6 (TRL-6). The Bredel pump successfully passed the submergence test, the XAGO retrieval tool equipment was received, the K West Annex mezzanine mockup was received and erected, the half engineered container mockup and the overflow recovery tool mockup were received, as was the desiccant dryer for the overflow pump operation.

STP-PRC-00248, Summary of Analysis Requirements and Inputs, was updated to address RL Safety and Environmental Division comments and was issued as final. This document provides a discussion of the various analysis and computer models that will be used to develop the new transportation safety documents for the Sludge Treatment System (STS) and MCO casks. Also, the *MCO Shielding Analysis for KOP Material* evaluation was completed by AREVA Federal Services and issued for review. This analysis confirms that the transport of the KOP material in the MCO/MCO cask does not challenge the transportation shielding limits.

Contracts with five different subcontractors are in place for the Phase 2 technology evaluations, which will lead to an alternatives analysis and recommendation next year, on the possible treatment technology that should be developed. In addition, CHPRC has a contract with PNNL for some additional testing to demonstrate that high hydrogen mitigation factors can be achieved with nitrate in the waste form.

RL-0013 Waste and Fuels Management Project

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

ARRA

Weekly and monthly Recovery Act Reporting continued. Capsule Storage & Disposition completed Statement of Work for Conceptual Design Report and Alternative Analysis for the Waste Encapsulation and Storage Facility K1 & K3 heating, ventilation, and air conditioning upgrades M/LLW shipped the "P015 Drum" to a commercial treatment facility, and shipped the first of three High Integrity Containers (HICs) containing Remote Handled MLLW to Perma-Fix Northwest (PFNW) for treatment. TRU Retrieval Shipped 3A Trench 17 Box 3 (43.5m³) to the Central Waste Complex and completed Hazard Review Board (HRB) for repackaging 3A Trench 17 Box 82, fogged box with fixative and initiated repackaging the waste contents. TRU Program repacked five 216-Z-9 drums, processed 91 parent drums and generated two drums from glovebag change outs. The Waste Receiving and Processing Facility (WRAP) completed non-destructive examination (NDE) for 352 drums and 596 non-destructive assay (NDA) drums, and completed concrete pad for the High Energy Real Time Radiography (HE-RTR) unit. TRU Disposition supported Central Characterization Project submission of Certification Audit Report to New Mexico for review. T Plant shipped 304 containers from T Plant, shipped one ERDF container to ERDF and received one empty container in return, and received 67 containers to T Plant.

Shipped 1m³ and completed 74m³ of M/LLW during the month, TRU Retrieval removed 43m³ and shipped 44m³, and TRU Repack repacked 24m³.

Base

The WFMP continued maintaining facilities in a safe and compliant condition. Waste Encapsulation and Storage Facility (WESF) completed annual stack sample line and probe inspection. The Canister Storage Building (CSB) completed annual Gaseous Effluent Monitoring System (GEMS) stack monitoring sample line inspection. M/LLW initiated commercial repackaging of large container TRU/M waste. The Central Waste Complex (CWC) shipped eight offsite shipments (16 containers), shipped 13 on-site transfers (333 containers), received 21 on-site transfers (329 containers), and received one offsite shipment (one container). Low Level Waste Burial Grounds (LLBG) fire Systems Maintenance and Hanford Fire Department completed installation of the second RFAR box at 2403WA. The 200 Area Treated Effluent Disposal Facility (TEDF) discharged 2.1M gallons. Off Site Spent Nuclear Fuel (SNF) Disposition completed shop fabrication and delivery of subassemblies for the Container Restraint System (CRS) receiver frame and capture frame for Project W-105, Interim Storage Cask Pad #3, initiated installation of the receiver frame, and completed shop fabrication and delivery of weather covers for Interim Storage Casks at the CRS.

RL-0030 Soil, Groundwater and Vadose Zone Remediation

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

Activity	July		Cumulative	
	Planned	Completed	Planned	Completed
Well Drilling (# of wells)	36	9	241	256
Well Decommissioning (# of wells)	15	20	135	170
200 West P&T – Final Design (%)	14	8	63	77
200 West P&T – Construction (%)	3	6	18	21
200 West P&T – Testing/Startup (%)	1	2	8	10
100 DX P&T – Construction/Startup (%)	12%	3%	85%	97%

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 concluded at the KR4 system, and acceptance testing of affected components 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 risk assessment sampling for 100-HR-3 and 100-KR-4 decision units completed. Sampling and groundwater treatment completed in July include the following:

- 251 well locations were sampled with a total of 1,221 samples being collected
- 58 aquifer tube samples were collected from 14 tubes at seven sites
- 11.8M gallons groundwater treated by ZP-1 treatment facility
- 21.8M gallons groundwater treated by KX treatment facility
- 8.6M gallons groundwater treated by KW treatment facility
- 10.6M gallons groundwater treated by KR-4 treatment facility
- 1.7M gallons groundwater treated by HR-3 treatment facility
- 1.1M gallons groundwater treated by DR-5 treatment facility

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

ARRA

Continued with demolition of 224U and initiated demolition of 224UA.

Continuing upper Arid Lands Ecology (ALE) demolition activities. Debris pile sites cleanup activities are continuing. Completed Cold and Dark on the 6630 Hodges Well and Navy MARS Radio towers.

Equipment removal from the operating deck at U Canyon has been completed. Asbestos abatement activities in the Operating and Pipe galleries are in progress. Contracts are being pursued for grout and for a cask to support the removal of the D-10 tank.

Continued with demolition on 272E building. Completed Cold and Dark on the 284E Powerhouse.

Continued beryllium sampling and initial characterization activities on the 200 West Structures.

Began planning of the North Slope Debris pile cleanup.

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 19,704 tons of soil in July; approximately 42 acres of BC Control Area, Zone A, have been cleared to date. Excavation at CW-3 waste site 216-N-4 continued and excavation at waste site 216-N-6 started with approximately 51 and 2,128 tons respectively of soil removed during July.

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

Base

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

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 July with asbestos removal completing on the west side of the reactor building. Demolition activities continued with explosives demolition of the C Elevator, overhead crane, and completion of the 30 foot by 30 foot door opening to allow for oversized equipment into the building for size reduction of the elevator and overhead crane.

Completed characterization at 115KE Gas Recirculation Building and initiated demolition preparation activities.

Completed above-grade explosive demolition on the 116KE Stack. Debris load-out will occur in August.

Continued demolition preparation activities on 117KE Exhaust Air Filter Building

Completed asbestos removal in the 1706KE Radiation Control Counting Laboratory and 1706KER Water Studies Recirculation Building below-grade levels. Cleanup and disposal of bagged asbestos continues.

Demolition continued on the 183.1KW Head House, 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

Continued waste site remediation of the below listed Remove, Treat, and Dispose (RTD) sites:

Waste Site	July-10		FYTD (9/28/09 – present)	
	Tons	Loads	Tons	Loads
100-K-3	-	-	5,507	392
100-K-42	-	-	2,989	210
100-K-47	-	3	17,393	1077
100-K-56	305	15	11,843	740
100-K-68	1,819	85	9,475	476
100-K-71	-	-	7,569	467
100-K-102	-	-	10,222	546
116-KE-3	171	8	4,328	217
120-KW-1	9,266	522	22,186	1198
183.1-Soils	1,466	89	12,291	625
183.1-Debris	174	10	8969	557
100K-63	5,514	269	9194	269
100-K-53	-	-	350	24
Totals	18,715	1,001	132,004	7,458

Excavation work at 100-K-3 has been suspended to permit D4 access to the 105KE Rod Rack and 1706KE structural removal.

Work has been suspended on UPR-100-K-1 (work performed as 100-K-42) pending D4 performing the work of removing the discharge chute and breaking up the remainder of the floor.

Work on sites adjacent to and north of the 100-K-42 are progressing. These sites were excavated to their final design depth and include 100-K-47, 100-K-53, 100-K-56, 100-K-68, 100-K-71, and 116-KE-3. Samples were collected and analyzed that show additional excavation is needed at waste sites 100-K-

47 and 116-KE-3. Currently no jeopardy exists to the TPA completion milestone. Plans are being made to address the additional contamination removal.

Remediation near the 183.1KW Head House is being conducted as a single excavation. Ten waste sites were excavated as a single waste site under 120-KW-1. Post-excavation sampling indicated extensive lead, mercury, and hexavalent chromium contamination remaining in the excavated area. Excavation to progress the removal from a depth of six feet to a depth of 15 feet below grade was initiated. Screening conducted during excavation shows that mercury contamination remains above the cleanup standard in isolated areas of the excavation. No treatment for disposal is required.

Ecological work was completed and remediation began on waste site 100-K-63, the 100 Kwest flood plain.

Removal of the below grade portion of 183.1KW was substantially complete during the month. Only a small portion of pipe requiring treatment at ERDF remains in a staging area away from the structure. That pipe is scheduled to be shipped and treated in early- to mid-August.

Closure reports were approved as "interim closed out" by EPA and DOE for sites 100-K-37, 100-K-38, 116-KE-6A, 116-KE-6B, 116-KE-6C, and 116-KE-6D.

Other

Sludge vacuuming completed in K West Basin East Bay and began in the Center 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 continued on the K West Basin Airborne Contamination Remediation Project with ventilation ducting installation of 683 feet of the 810 feet interior ducting resulting in a 84% completion. Approximately 209 feet of insulation for the vent ducting has been installed resulting in 25% completion. Forming and rebar installation for the three HVAC/HEPA skids is in progress. Subcontractor of the three outdoor ventilation units has not provided delivery as stated in their proposal and is currently forecasting delivery on August 19, 2010.

Electrical Project: Work continued on the 100K Reactor Power Isolation Project with installation of skid components and completion of apparatus testing of the five skids. The Switchgear/Control Building was delivered on July 12, 2010, and installed. Continuing trenching and installation of the new conduit duct bank from the new Switchgear Building to two skids. All control cables for the substation have been pulled and terminated with the exception of termination of the cables to the transformers. Fabrication activities for the mobile control substation are continuing. Delivery of the first transformer is scheduled for August 25, 2010, with delivery of the second transformer accelerated to August 26, 2010. The 13.8KV project scope was reduced to minimize the number of poles to be installed. Revised design drawings and specifications were completed and the subcontractor will begin installation of activities in August.

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. Installation of the Import Water Line outside of the fence to Helen's Junction is complete and awaiting final tie into the raw water line after the Washington State Department of Health Permit is obtained. Completed installation of the Water Treatment Building walls and roof panels and completed installation of building insulation. Continued construction of the dual-use water tank with painting inside and outside scheduled for August. Subcontractor is in the process of removing rock piles from the export water line excavation. Activities to define procedural and training requirements are in progress.

Base**Facilities**

105KE Reactor Disposition EE/CA draft A has been submitted to regulators for review and comment. Developmental testing of the bio-shield wall demolition test forecast to begin August 17, 2010; 60% design submittal on schedule to be completed October 15, 2010.

Continued characterization and deactivation on 110KW Gas Storage Facility and 115KW Gas Recirculation Building which will be removed as one demolition.

Deactivation continues on 117KW Exhaust Air Filter Building.

Characterization continues on the 118KW Horizontal Control Rod Storage Cave.

Decontamination continues on four buildings which will be removed at the same time. They are the 1717K Maintenance Transportation Shop, 1717AKE Electrical Shed, 1724K Maintenance Shop, and 1724KA Storage Shed.

Deactivation continues on four K West mobile offices to be removed as a group (MO236, MO237, MO323, and MO955).

Waste Sites

Continued waste site remediation of the below listed RTD sites:

Waste Site	July 2010		Cumulative (9/28/09 – present)	
	Tons	Loads	Tons	Loads
100-K-4	-	-	2,989	210
1607-K3	-	-	1,571	81
Totals	0	0	4,560	291

Plans to initiate excavation on a newly discovered site, 100-K-109, have been finalized and excavation will begin in early August.

Spoils were removed to the design limits for 1607-K3 and stockpiled as initial samples indicated elevated elemental lead contamination. The stockpiled soils were evaluated to determine if treatment was required to meet ERDF disposal requirements; analyses showed that no treatment for disposal was required. Those spoils are scheduled to be shipped for disposal in mid-August.

RL-0042 Fast Flux Test Facility (FFTF) Closure

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

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

KEY ACCOMPLISHMENTS

RL-0011 Nuclear Materials Stabilization and Disposition

11.02 Maintain Safe and Compliant PFP – Base

In preparation for transition of the 2736-Z Complex into its D&D mission, Buildings 2736-Z and 2736-ZA were entered into the Operationally Clean facility program. As part of the preparations for transition, verification that the 2736-Z Complex radiological material at risk did not exceed DSA maximum inventory assumptions was also completed.

11.05 Disposition PFP Facility – Base

Plutonium Reclamation Facility (PRF)

- The Readiness Assessment was successfully completed for manual size reduction of pencil tanks resulting in two positive observations
- Removal of the pulser glovebox continued. This work scope is approximately 50% complete.
- Initiated canyon floor cleaning and size reduction of the hard waste
- Troubleshooting of electrical problem with the canyon crane was initiated and planning for repairs was completed
- Preparations were initiated for the transfer of the pencil tank assembly counterbalance to the canyon

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

- In RMA Line Room 235B, the team completed the mechanical decontamination of conveyor HA-28 and the subsequent NDA to establish an updated fissile inventory. These actions allow more flexible criticality controls to be used during future chemical decontamination work.
- In RMA Line Room 232, work continued to remove the remaining external mechanical connections to Glovebox HA-46
- In RMC Line Room 227, the mechanical isolation of lines to Glovebox HC-227S continued.
- In RMC Line Room 230C, the team removed and size-reduced the process ventilation duct to Glovebox HC-60. HC-60 was also relocated within the room pending completion of the enlargement of Door 638. This team also provided support to Construction for the Door 638 work scope.
- In the RADTU area, Room 235D, the D&D team made preparations to perform visual characterization of GB300 and the external demister tank and supported planning for the GB200 mechanical isolation work package

Analytical Laboratory:

- Process equipment removal continued for the six gloveboxes in Room 139
- Preparations are under way for in-situ size reduction of gloveboxes within the A-Labs

Plutonium Process Support Laboratories:

- A hood in Room 180 of PPSL was decontaminated, separated from its E4 connection, and was transferred to Solid Waste Operations for disposal as LLW

242Z Americium Recovery Facility

- Completed installation of temporary shielding for WT-2 Glovebox
- Completed 10 consecutive entries to size reduce, package and remove waste and changed filter media
- Cut up 48 square feet of lead shielding

2736Z/ZB Vault Complex

- Removed approximately 50% of remaining support piping and ventilation from Room 636
- Staged 90% of process equipment for removal from Room 642 Gloveboxes A, B, C, and D
- Transitioned to D&D DSA and TSRs.

RL-0012 Spent Nuclear Fuel Stabilization and Disposition

Sludge Treatment Project (STP)

- STP received letters from PNNL documenting that all preparations have been completed for receipt and analysis of the settler tank sludge at the Radiological Processing Laboratory
- The KOP Subproject had a briefing to discuss the draft MCO Proof of Dryness analysis with RL representatives and a member of the STP External Review Panel. The purpose of the review was to discuss an update to the analysis that now includes discussion of the effect of surface tension. The analysis concludes that the same proof of dryness test that has been used for previous MCOs can be applied to the KOP MCOs.
- *MCO Structural Review* was completed by AREVA Federal Services and issued for internal review. The review found that the transport of the KOP materials contained in the copper-inserts is well within the previously analyzed conditions, thus not requiring the development of a new structural analysis for the new MCO/MCO Cask transportation safety document.
- The OCRWM Independent Assessment was conducted this month. KOP personnel participated in both an administrative review and a physical review of the MCO hardware. The out-brief session was held and the final report is due August 5, 2010.
- MASF personnel conducted the operational shake-down on the pool filtration system to refine operating instructions. Revisions of the operating instructions are in progress, adding in ozone probe maintenance and storage information.
- The Engineered Container Retrieval and Transport System (ECRTS) preliminary design Process and Instrumentation Diagram (P&ID) has been updated and issued internally to support the next phase of Nuclear Safety Hazard Analysis.

RL-0013 Waste and Fuels Management Project

ARRA

13.01 Project Management

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

13.02 Capsule Storage & Disposition

- WESF K1 & K3 Heating, Ventilation, and Air Conditioning Upgrades
 - Completed Statement of Work for Conceptual Design Report and Alternative Analysis

13.04 Mixed Low Level Waste (MLLW) Treatment

- Ship the "P015 Drum" to commercial treatment facility
- Ship the 1st of 3 HICs containing RH-MLLW to PFNW for treatment
- M-91-42 TPA (*Small Container CH-MLLW*)
 - 3.4m³ shipped and 26.7m³ completed during month
 - 8,217m³ shipped and 8,180m³ completed since January 2003 (Base and ARRA)
- M-91-43 TPA (*RH & Large Container MLLW*)
 - 3.2m³ shipped and 9.0m³ completed during month
 - 731m³ shipped and 707m³ completed since January 2003 (Base and ARRA)

- M-91-44 TPA (*Large Container TRUM Repackaging*)
 - Total for month: 40.5m³ shipped and 0m³ complete
 - Accumulated total: 40.5m³ shipped and 0m³ complete

13.05 TRU Retrieval

- Shipped 3A Trench 17 Box 3 (43.5m³) to the CWC.
- Completed HRB for repackaging 3A Trench 17 Box 82; fogged box with fixative and started repackaging waste.
- Completed electrical installation of 3A Kelly Klosure® structure.
- Started installation of power poles for permanent power at 3A.
- Held HRB meeting on new excavation and retrieval procedures for 3A Trench 8; issued approved procedures.
- Began 3A Trench 8 site preparation activities.
- Obtained summa canister 24-hour air samples and performed elevated ground-penetrating radar (GPR) survey of 4B Trench 11 event site.
- Next Generation Retrieval
 - Calibration confirmation and the operational test procedure (OTP) for the Gamma Assay Unit were completed. The conveyor system installation was completed and the functional test was successfully completed. The A Frame hoists were delivered and installed.

13.06 TRU Repackaging

- 216-Z-9 Waste Stream Pilot repack:
- Repacked five 216-Z-9 drums; CCP reviewed and concurred on RTR results.
- Processed 91 parent drums - Created 103 offspring drums
- Generated two drums from glovebag change outs
- Compacted 445 empty parent drums - Generated 87 full puck drums
- Shipped 304 containers from T Plant
- Shipped one ERDF container to ERDF and received one empty container in return
- Received 67 containers to T Plant

13.07 Waste Receiving and Processing Facility (WRAP)

- NDE: 352 drums (142 for CCP)
- NDA: 596 drums (150 for CCP)
- Received 13 drums from the Plutonium Finishing Plant (PFP).
- Continuing on-the-job evaluation (OJE)/OJT qualifications in TRU PACT-II, NDE, NDA, and shipping/receiving areas for NCOs & Supervisors.
- Continued TRU Waste Shipments to Idaho Total for Month: 11 - Total to Date: 13
- Shipments to WIPP: Total for Month: 0 - Total to Date: 49
- HEPA filter replaced in WRAP Process Area:
 - Filter Banks completed (64 filters)
 - Work Package in development for glovebox filters. (4 filters).
- Commenced Headspace Gas Sampling/Flam Gas Sampling.
- High Energy RTR (HERTR) concrete pad completed.

13.15 TRU Disposition

- Supported Value Engineering Study to evaluate efficiencies in information protection and clearance process.

- Supported Department of Energy (DOE) Order 435 Revision 1.
- Continued procurement process for standard waste boxes (SWBs) to over pack remaining Hanford certified backlog (217 drums).
- Supported TRU Large Box to Perma-fix process.
- CCP Support
 - Public release process: clearing documents on schedule at rate of 150 containers a week.
 - Reviewed clearance and issuance of three CCP AK Documents.
 - Supported CCP and corrective action report (CAR) Closure visual examination (VE) activities.
 - CCP submitted Audit Report to New Mexico for review.
 - Issued interface Agreement with CCP Revision 2.
 - Working with CCP to develop and implement RTR production recovery plan.

13.21 Mixed Waste Disposal Trenches

- Received 27 offsite shipments, 78 containers
- Shipped two leachate tankers to ETF

Base

13.02 Capsule Storage & Disposition

- **Waste Encapsulation and Storage Facility (WESF)**
 - Completed annual stack sample line and probe inspection
 - Repaired main breaker 225B-PP-2

13.03 Canister Storage Building

- Continued MCO Handling Machine (MHM) tests and inspections
- Completed annual GEMS stack monitoring sample line inspection
- Continued to support Container Restraint System (CRS) construction activities

13.04 Mixed/Low Level Waste Treatment

- Initiated commercial repackaging of large container TRU/M waste.

13.07 Waste Receiving and Processing Facility (WRAP)

- Maintained the facility in a safe and compliant condition

13.08 T Plant

- Maintained the facility in a safe and compliant condition
- Shipped 304 containers from T Plant
- Shipped one ERDF container to ERDF and received one empty container in return
- Received 67 containers to T Plant

13.08 Central Waste Complex (CWC)

- Shipped eight offsite shipments, 16 containers
- Shipped 13 on-site transfers, 333 containers
- Received 21 on-site transfers, 329 containers
- Received one offsite shipments, one containers
- LLBG –
 - Mixed Waste Trench (MWT) – Received 27 offsite shipments, 78 containers
 - MWT – Shipped two leachate tankers to ETF
- Fire Systems Maintenance and Hanford Fire Department completed installation of the second RFA box at 2403WA. During installation a ground fault was also discovered and repaired.

- Medium Box Repair Construction completed repairs to one medium box in the Central Waste Complex expansion area
- Successfully completed HRB for receipt and off load of contact handled TRU waste from Washington Closure 324 building. Waste will be packaged in a Hopewell 7A cask and transported to CWC in an Energy Solutions 10-160B cask.

13.11 Liquid Effluent Facilities (LEF)

- Received (July) 60 tankers (49k gallons)
- Treated effluent to State-Approved Land Disposal Site: 617 gallons; (CY 10.9M gallons)
- 200A TEDF discharged 2.1M Gallons; (CY 122M gallons)
- Received ERDF leachate (194k Gallons) at Liquid Effluent Retention Facility (LERF) Basin 43
- Received 19 drums of Waste Sampling and Characterization Facility wastewater
- Continued with Basin 44 Campaign (processed 990,000 gallons)
- Maintenance activities
 - Completed repairs to base plate on Secondary Waste Receiving Tank (SWRT) A
 - Received 4,000 Gallons of 92% sulfuric acid
 - Replaced Concentrate Tank B Recirculation Pump
- 300 Area Facilities
 - Operating the Retention Transfer System (RTS); 19 batches (563k Gallons) discharged to City of Richland
 - Continued performing preventive maintenance (PM) activities at 310/340 for systems that will remain active after turnover (heating, ventilation and air conditioning, fire, and compressed air)

13.12 Integrated Disposal Facility

- Completed required annual inspections and calibrations

13.16 Off Site Spent Nuclear Fuel (SNF) Disposition

- Slightly Irradiated Fuel (SIF)
 - Completed shop fabrication and delivery of subassemblies for the Container Restraint System (CRS) receiver frame and capture frame for Project W-105, Interim Storage Cask Pad #3
 - Initiated installation of the receiver frame
 - Completed shop fabrication and delivery of weather covers for Interim Storage Casks at the CRS

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	July		Cumulative	
	Planned	Completed	Planned	Completed
M-24	1	2	4	5
200-ZP-1 West P&T Expansion	1	2	12	12
Drilling Total	2	4	16	17

EPC Projects in Support of S&GRP - ARRA

- Forty-four road crossings have been completed. All welding activities for the transfer piping are complete for the well to transfer building runs. Additional activities will be necessary once the six buildings are erected to connect building to building runs. Construction activities started for the BIO and RAD buildings. Long lead equipment are fabricating with the first to arrive in late September. Lime stabilization 60% overall design occurred in late July with a 90% design submittal from the lime system manufacturer due 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 began on the 100-DX Pump-and-Treat construction project on July 19, 2010 at the M2 Transfer Building. The Process Building was energized on July 22, 2010. The Ion Exchange trains at the Process Building have completed Construction Acceptance Testing (CAT). The final long lead specialty acid storage tank was received on July 22, which will allow the electrical and mechanical tie-ins of the pH adjustment system to the treatment system to progress.

EPC Projects in Support of S&GRP – Base

- Phase 2 realignment construction actions were completed at the KX system. Acceptance testing is 100% complete.
- Modutank Subgrade Waterline construction is 100% complete. Modutank unloading dock and ramp modification are 95% completed. Expected completion is August 12, 2010.
- Construction has begun on the 100-HX Pump-and-Treat Construction Project. Footings have been excavated and poured for Treatment Building. Three of twenty six road crossings are complete. HDPE pipe laying and bonding is 5% complete. Fabrication of well racks is underway. Design activities continue to progress towards the 90% design review in October.

ARRA - GW OPERATIONS

Well Drilling and Decommissioning – ARRA

	July		Cumulative	
	Planned	Completed	Planned	Completed
KR-4 RPO	1	0	1	0
KR-4 RI/FS	2	1	8	2
100-NR-2 Barrier Emplacement	24	0	126	171
100-HR-3 Bioremediation TT	1	0	1	0
100-HR-3 H Area RPO	0	4	40	29
100-HR-3 D Area RPO	0	0	30	30
100-HR-3 RI/FS	3	0	7	0
200-BP-5 “K” Well	0	0	1	1
200-BP-5 “L” and “M” Well	0	0	2	2
100-BC-5 RI/FS	1	0	5	4
100-FR-3	1	0	3	0
300 FF-5 RI/FS	1	0	1	0
Drilling Total	34	5	225	239
Decommissioning Total	15	20	135	170

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

- Developed first draft of responses to public comment on the Central Plateau Cleanup Completion Tentative Agreement and TPA change packages in coordination with MSA and delivered to RL
- Completed two “200 West Inner Area RI/FS Work Plan Scoping” meetings with regulatory agencies.

Risk and Modeling Integration Group:

- Completed revision of the Central Plateau Ecological Risk Assessment data package based on comments from RL
- Responses to the Composite Analysis and Performance Assessment annual update document reviews by DOE-HQ were provided
- Finalized the modeling-related write-ups to support the 200-PW-1/3/6 Proposed Plan

Integration Management:

- Presented the new WIDS application design to RL and CHPRC representatives. The new design offers many improvements, including a key feature that allows WIDS site managers to enter information directly into the database.
- Completed a series of technical issue discussions with the regulatory agencies on the path forward for completing the River Corridor RI/FS process
- Initiated DOE and inter-contractor meetings to define the Deep Vadose Zone program

Document Review and Standardization:

- Conducted kick-off meeting with External Document Improvement Team (EDIT) members. EDIT will be providing input on the 100 D/H RI/FS Report and the 200-West Inner Area Work Plan.

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

- As of August 11, 2010, the borehole C7508 was at 191 ft, with about 20 ft to go. This well is located near C Reactor and will be drilled to the top of the Ringold Upper Mud (RUM) and will then be screened at the depth of greatest Cr(VI) contamination.
- Drilling of well C7786, located north of 100-C-7 waste site, was begun and completed in July. This top-of-aquifer well is paired with a deeper well.
- Slug testing of existing wells began in July

100-FR-3 Operable Unit

- Drilling began on RI/FS well C7790 in July.

100-KR-4 Operable Unit - Base

- The updated KR4 Pump-and-Treat System cultural resource treatment plan was sent to the Tribes on June 17, 2010 with a request for comments by July 23, 2010. Comment period has passed and only comment received was from SHPO requesting figures be redrafted. Plan is ready to go final.
- The third round of special/temporal well sampling for high river stage has been completed and awaiting sample analysis results
- Completed second SIR-700 resin test at the KX P&T facility with pH control between 6.3-6.7 reached breakthrough at approximately 15,000 and 30,000 BVs through the 10 inch and 5 inch

columns, respectively. The tighter pH controls showed improved resin performance from the first test where breakthrough occurred after ~5,000 bed volumes (BVs). Preparation of the K Area resin alternatives report is in progress.

100-NR-2 Operable Unit - Base

- Draft A of the 100-N Integrated SAP (Sampling Analysis Plan) was submitted to Ecology in June, and is still under Ecology review. Comments were expected back by July 19, 2010, but have not yet been received.
- Well-sampling activities were scheduled and initiated with 17 of 26 wells sampled as of June 28, 2010. Eight of the nine remaining wells were sampled on July 9, 2010. The remaining well would not produce water and was unable to be sampled.
- A SAP was developed to allow for additional “upwelling” (river porewater) sampling to be conducted from the river bottom along specific portions of the 100-N river shoreline. This document is in the process of being released as a Draft A for transmittal to RL and subsequent submittal to Ecology.
- The Pacific Northwest National Laboratory (PNNL) core-sampling analytical report was issued in mid July. All results have been incorporated into the final Jet Injection test report, which is near finalization.
- A Treatability Test Plan (TTP) has been drafted to allow for a larger, demonstration-scale test of the Jet Injection technology in the vadose zone over the existing 300 foot apatite barrier. Internal reviews have been performed, and the document is now being produced as Draft A for regulatory review. Comments are being incorporated for a full CHPRC internal review.

100-HR-3 Operable Unit - Base

- HR-3 operated at near lower levels while two RUM wells are being connected to the HR-3 facility for long-term operation as extraction wells. The system is also being modified to remove an extraction well (199-H-4-3) impeding WCH excavation, and reconnect well (199-H-3-4) as an extraction well to capture the southeast flank of the plume.

Central Plateau

200-IS-1 Operable Unit – Base

- RL approved the revised Closure Plan, SAP, SEPA Checklist, and petition for LDR (Land Disposal Restrictions) variance for the Hexone Storage and Treatment Facility on July 16, 2010 and transmitted them to Ecology, thus meeting proposed TPA Milestone M-037-01, Submit Revised closure Plan to for the Hexone Storage and Treatment Facility (276-S-141/142) TSD Unit, Due December 31, 2010 ahead of schedule.

200-BP-5 Operable Unit - Base

- The Decisional Draft of the 200-BP-5 Treatability Test Plan was delivered to DOE on July 8 for review. DOE review comments have been received and are being incorporated into the Draft A.
- Issued the final 200-BP-5 conceptual model report for the B-Complex Area

200-ZP-1 Operable Unit - Base

- Eleven of the fourteen groundwater extraction wells are on line pumping water at a rate of approximately 440 gpm. Extraction well 299-W15-36 will be kept offline due to very low flow rates. Extraction wells 299-W15-34 and 299-W15-765 are offline due to electrical problems that are currently being assessed.

- Extraction wells 299-W11-45 and 299-W11-46 are both running and are pumping at a combined rate of ~26 gpm to the ETF. A reduced flow rate is now required through the end of August 2010 to allow 2 to drain one of their other basins which is full.
- Rev. 0 of the Performance Monitoring Plan has been issued.

200-PW-1 Soil Vapor Extraction (SVE) - Base

- Both PW-1 active SVE units are operating. Passive SVE operations are also ongoing.

Regulatory Decisions and Integration - Base

- 200-WA-1 RI/FS Work Plan Scoping Sessions:
 - Scoping sessions with DOE, EPA, and Ecology continued in July and the RI and FS scope discussions were completed. The team prepared for an August 10, 2010 presentation on Regulatory Integration/MCTA and the final meeting to address our proposed Work Plan Annotated Outline.
- 200-MW-1 Feasibility Study:
 - The response to comments from the Tribal Nations was completed and submitted to RL for review
- 200-PW-1/3/6 Feasibility Study:
 - The team supported DOE to prepare a letter on DOE's perspective on the proposed remedy for EPA's Remedy Review Board
- Burial Ground Sample and Analysis Quarterly Reporting:
 - TPA Milestone M-091-40L-027 Submit 3rd Quarter FY2010 Burial Ground Sample and Analysis Results was completed and submitted to Ecology on July 22, 2010
- The West Lake SAP was submitted to EPA/Ecology for comment July 14, 2010

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

- Working with PNNL to integrate the 200-DV-1 OU with the overall Program Plan for the Deep Vadose Zone initiative. As part of this effort, participated in the Deep Vadose Zone Technical Forum to help scope the activities for the RI/FS work plan.

Deep Vadose Zone Treatability Test Project - Base

Work continues on the deep vadose zone project including the pilot test, desiccation lab testing, uranium sequestration, and soil flushing and grouting.

- The DQO for the Uranium Sequestration work was completed this month has been revised following input from the associated Expert Review Panel held on July 13-14, 2010

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

ARRA – U Plant/Other D&D

- U Plant Regional Closure Zone (U-Ancillary Facilities D&D)
 - Continued demolition activities on 224U and 224UA
- U Canyon Demolition and Cell 30 Disposition
 - Equipment placement in process cells is complete
 - The contract has been awarded for the cask needed to ship the T-10 tank to T Plant
 - Grout supply and conveyance bids have been received and are being evaluated
 - Asbestos abatement activities have been initiated
- 200E Project

- Continued asbestos abatement activities in 284E
- Continued demolition of 272E
- 209E Project
 - Continued 209E characterization and Cold and Dark planning activities
- 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 162,818 tons cumulative to date of soil removed and transferred to ERDF
 - During July remediation within BC Controlled Area was impacted by the migratory birds nesting in Zone A and Zone B. A BC Controlled Area Soil Contamination Migratory Bird Mitigation Strategy (dated May 2010) was developed and implemented. Nesting birds have matured; no further issues in this area are anticipated.
- 200-CW-3 Waste Sites
 - Excavation of RTD site 216-N-4 continued. Approximately 36,350 tons of soil cumulative has been removed and transferred to ERDF.
 - Excavation of RTD site 216-N-6 began with 2,128 tons cumulative transferred to ERDF
 - The response action completion documentation for waste site 216-N-1 is with RL to review
 - 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 six waste sites (200-E-101, 6607-2, 6607-1, 6607-3, 200-E-110 and UPR-600-21) has been submitted for approval. Sites 600-37 and 600-262 are Confirmatory Sampling No Further Action (CSNFA) sites 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
 - Analysis of sampling data for 600-51 indicates RTD is not required. Closure documentation for site 600-51 has been reviewed by RL.
 - Excavation of 600-38 was performed with verification sampling performed. Samples are being analyzed.
 - Preparations to excavate 600-275 and 600-222 in August are in progress
 - Initial excavation for site 600-40 was completed and initial verification samples were collected. The samples indicated additional excavation was required. This excavation has commenced and in-process samples are being evaluated.
 - The Remedial Action Work Plan (RAWP) was updated to include 37 waste sites added with the approved Action Memorandum (AM), has been reviewed by RL, and was transmitted to Ecology for review
 - Verification sampling of site 600-36 was performed in February to determine whether remediation was complete. The sample results are being evaluated.
 - CSNFA sampling is continuing at the Old Central Shop Area (OCSA) site

- ALE D&D
 - Continued debris pile removal on lower ALE
 - Continued demolition on the upper ALE facilities

RL-0041 Nuclear Facility D&D, River Corridor

ARRA

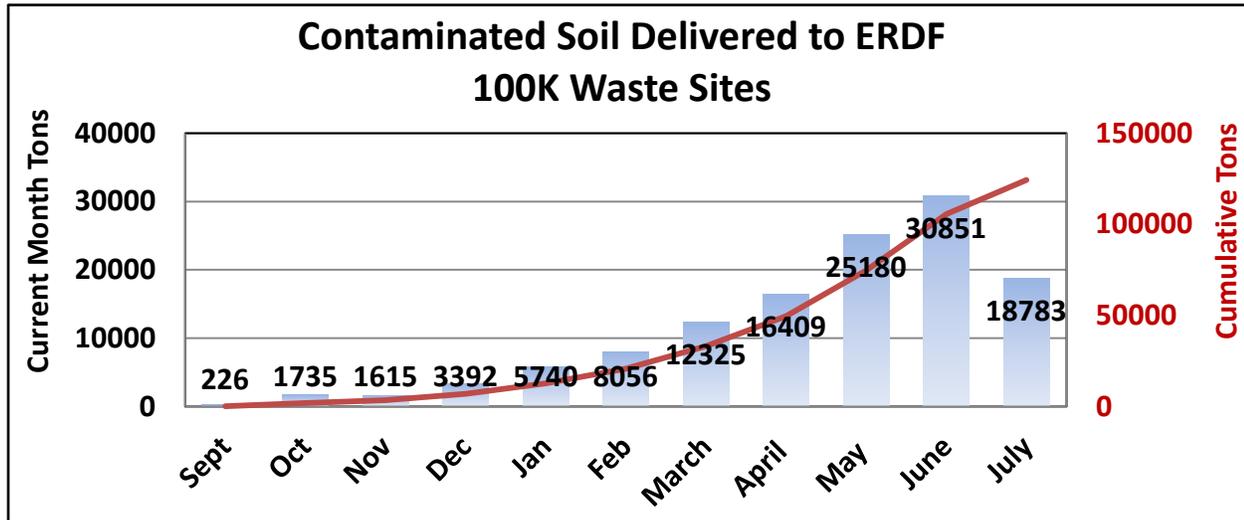
Facilities

- Completed 30 foot by 30 foot door opening to allow for oversized equipment entry to size reduce overhead crane and C elevator. Explosive demolition of overhead equipment and crane and C elevator was completed on schedule. Completed asbestos removal on the west side of the reactor.
- The 115KE Gas Recirculation Building sampling was completed, and the results require installation of grout ports on the tanks which will then be grouted at ERDF. Demolition should commence in mid-August. The 116KE Reactor Exhaust Stack explosive demolition occurred in late July. Debris removal should be removed in early August, and the below-grade demolition will be performed by a subcontractor.
- Demolition of the 117KE Exhaust Air Filter Building should begin in early August after 116KE is loaded out
- Below-grade asbestos removal completed in the 1706KE Radiation Control Counting Laboratory and 1706KER Water Studies Recirculation Building. Cleanup in both the 1706KE and 1706KER (asbestos cleanup, pot-holing of sewer lines, removal of hydrazine, and removing some concrete sections) should happen by mid-August, and then the substructures will be turned over to a subcontractor for removal. Below-grade demolition of the 183.1KW Head House was completed except for one pallet of debris which remains to be removed. This facility should be complete in early August.
- Demolition is on hold for the 183.2KW Sedimentation Basin. The South wall adjacent to the 183.1KW remains. Once the adjacent waste site soil has been removed, this final wall can be demolished, completing this facility. Glycol removal was completed for 105KE and 105KW facilities. Glycol has been drained from all but 115KW, 165KE, and 165KW.
- Continued demolition of the 183.3KW Filter Basin. All of the West side and most of the East side have been demolished. Demolition unexpectedly encountered footers that were 7-10 foot thick, instead of the standard depth shown on the drawings. Demolition should finish in late August. Once completed, the 183.7KW pipe galleries will be removed.
- Demolition of the 183.7KW Tunnel continues with the ceiling and walls gone. Demolition on the pipe gallery should finish in early 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.
- 183.4KW and 183.4KE Clear Well initial characterization walk downs are complete and characterization sampling completed in July with the final characterization report available in August

Waste Sites

- ARRA Confirmatory Sample No Further Action (CSNFA) work was completed and results transmitted to DOE for information
- Production rates continued at above-planned rates even though there was a substantial decrease in soil delivered to ERDF in July. The decline in the production rate is attributed to work transitioned

between waste sites. Production rates are expected to return to the efficiency demonstrated in May and June during the next few months.



HVAC Project

- Installed 683 feet of interior ducting with 127 feet remaining
- Continuing shop fabrication and prep work for duct runs
- Installed 209 feet of insulation for the interior ducting with 601 feet remaining
- Completed site prep and demolition work for the exterior HVAC components

Electrical Project

- A9 Electrical subcontractor completed apparatus testing of skids PF1N, PF1S, PF2, PF3N, and PF3S
- The Switchgear/Control Building arrived on July 12, 2010, and was installed
- Continued trenching and installation of new conduit duct bank from the new Switchgear Building to two skids
- Completed installation of underground conduit
- Completed design drawings and specifications for re-design of 13.8KV line installation scope
- Submitted contract requisition for MO293 and MO500 electrical tie-ins

Water Project

- Continued EPC Construction Services trench excavation, pipe install, and backfill around 105KW Fire Loop System. At month end, excavated 2,700 lf of trench and installed 2,100 lf of 8 inch FW piping, 430 lf of 12 inch piping and 165 lf of 6 inch FW piping. Poured 1,372 yards of 100psi controlled density fill trench backfill and installed gravel over backfilled trenches.
- Construction subcontractor continued trench excavation, pipe install and backfill on the balance of firewater and potable piping inside the fence. At month end installed 2,342 lf of 4 inch PW and 5,390 lf of 12 inch FW, and 726 lf of 6 inch FW on Willard, Wabash, and Wagner Streets. At month end service water supply line is 95% complete.
- Completed installation of the Water Treatment Building wall, roof panel and insulation
- Completed placement of building interior concrete slabs and continued installation of process piping
- Continued construction of the dual-use water tank
- Received diesel fire pump

- Completed sludge vacuuming in the East Bay of the K West Basin and began vacuuming in the Center Bay. Continued preventative maintenance of overhead crane to support multi-canister overpack proficiency test in August. Installation of the East/West Monorails in the K West Basin was completed.

Base

Facilities

- 105KE Reactor Disposition EE/CA draft A has been submitted to regulators for review and comment
- Continued characterization and deactivation on 110KW Gas Storage Facility and 115KW Gas Recirculation Building where the above-grade structures will be taken as one demolition. Both buildings were accelerated from FY2011.
- 117KW Exhaust Air Filter Building was accelerated from FY2011. The electrical isolation index is anticipated in early August.
- 118KW Horizontal Control Rod Storage Cave was accelerated from FY2011. Characterization is continuing with one radiation control dose survey remaining. The demolition work package was finished. A remote-controlled camera was inserted into the structure to determine what decontamination/hazardous materials removal may need performed.
- Decontamination has been placed on hold for four buildings which will be removed at one time after the utility upgrades occur this fall. They are the 1717K Maintenance Transportation Shop, 1717AKE Electrical Shed, 1724K Maintenance Shop, and 1724KA Storage Shed.
- Debris from 182K Water Reservoir Pump House was disposed of in July. The below-grade water reservoir connects directly to 183.4KE clear wells, 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 pump well are drained.
- The 183KE Chlorine Vault power was isolated and the demolition work package has been drafted. Deactivation should complete in early August.
- 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 contacted to attach electrical power at the new site.
- Leased facility MO873 Craft Trailer was relocated to the 200 Area
- Deactivation continues on four K West mobile offices to be removed as a group (MO236, MO237, MO323, and MO955). Personnel should move into other offices by mid-October, accelerating this demolition work from FY2012.
- After the utilities upgrades finish (towards the end of this summer), a group of facilities will be deactivated. Their initial characterization walk downs have been performed, and characterization sampling should occur in August/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

- RTD work initiated on two failed CSNA sites, 100-K-63 and 1607-K4

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 – PFP recently held training for the work crews on the Aspigel® application equipment. The first Aspigel® procurement (36 kg of product) arrived at PFP at the beginning of August. Additionally, initial industrial hygiene sampling of nitric acid and ammonia vapors generated during product preparation is complete (preliminary results are less than detectable). Also, the criticality organization has released the CSER and CPS for the Aspigel® process, and the work package for field validation of the Aspigel® procedure in Glovebox HA-19 is now being prepared. However, due to the requirement to initiate a separate control decision document, the expected release date for the hazards analysis (HA) is now mid September. When the HA is complete, the field validation work package will be reviewed by the HRB. Following the HRB PFP will then conduct an activity based management review (ABMR) to verify that the Aspigel® decontamination technique is ready for implementation. It is anticipated that the PFP D&D organization will be ready to start using Aspigel® in late September.

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 – 451m³ removed, 431m³ shipped. Recovery schedule supports TPA tentative agreement of 2,000m³ 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 –

- CHPRC to determine availability of Structural Engineers and develop White Paper Team to address RL open concerns
- Meet with RL to confirm White Paper evaluation topics/end result and initiate review (action to be complete by August 19, 2010)
- Develop White Paper, conduct meeting(s) with RL to review draft determinations during preparation, and issue White Paper by September 3, 2010

RL-0030 Soil and Groundwater Remediation

Issue – The RI/FS drilling schedule at 300-FF-5 is being impacted due to lack of performance and safety related issues with the selected contractor.

Corrective Action – The contractor has replaced the drilling subcontractor with one that has worked at the Hanford site successfully and they have mobilized to the site and participated in a new drilling campaign kickoff meeting.

Status – The new subcontractor has begun drilling at the site and drilling is proceeding normally. A second rig from this subcontractor is scheduled to begin work at the site as well this month to help

recover schedule. DOE is being kept informed on a weekly basis as to the schedule for this corrective action and status.

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 600-36, Notice of Change letter number CHPRC-1000171, dated 3-Mar-10

Waste Site 600-38, Notice of Change letter number CHPRC-1000335, dated 3-May-10

Waste Site 600-222, Notice of Change letter number CHPRC-1000510, dated 2-Jul-10

Waste Site 200-W-33, Notice of Change letter number CHPRC-1000334, dated 6-May-10

Waste Site 600-218, Notice of Change letter number CHPRC-1000160, dated 2-Mar-10

Waste Site UPR-600-12, Notice of Change letter number CHPRC-1000396, dated 1-Jun-10

In addition, Advanced Work Authorizations have been approved to proceed with RTD at waste sites 600-38 and 600-222.

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 RSVP and full RTD of the 600-286-PL and 600-287-PL pipelines with an estimated start by the end of September.

Status – Planning and prerequisite documents are being developed to support RTD activities 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 – The BCR/CP process continues. BCR-PRC-10-033R0 covering additional waste volumes for five sites was submitted to DOE for review, but was returned with no action.

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 – Late delivery of three air handling units and mobile electrical substations will impact construction completion.

Corrective Action – Project Manager, buyer's technical representative, and Procurement have discussed late delivery of the air handling units with vendor and manufacturer. The Construction Manager is working with the site subcontractor responsible for installation to determine workaround to minimize schedule impacts.

Status – The air handling units are currently forecasted for delivery on August 19. Vendor is planning delivery of first transformer August 25 and has accelerated the delivery of the second transformer August 26.

Issue Statement – Installation of HVAC inside of 105KW is taking longer than scheduled due to complexity of installation.

Corrective Action – Working additional hours to minimize schedule impact.

Status – Continue monitoring EPC's progress on HVAC installation activities. Current forecasted completion is August 26.

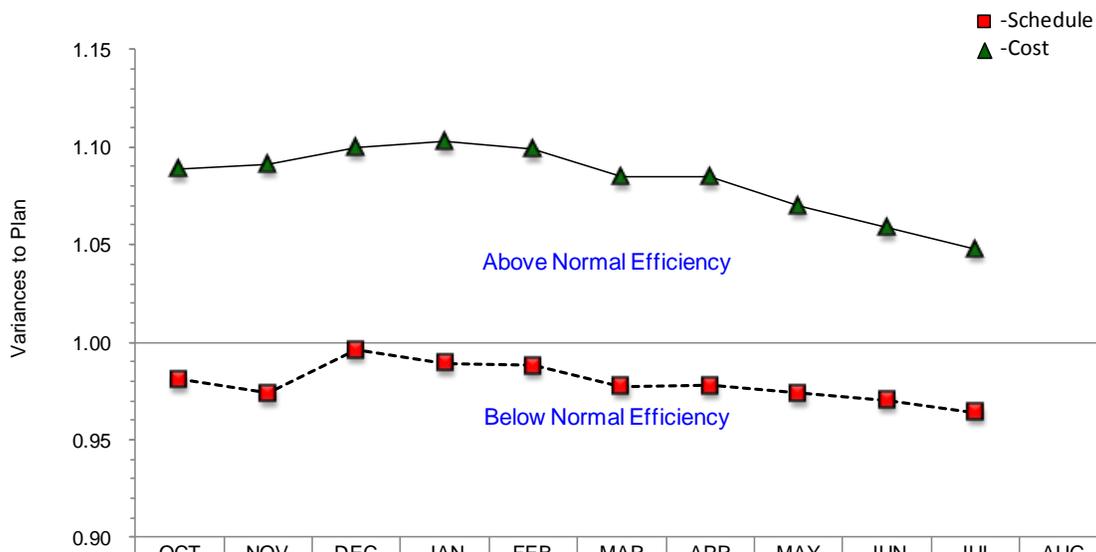
Issue Statement – Change orders in the Power/Water/HVAC Project have caused an increase in cost and schedule delays throughout the lifecycle of the Utilities Project. These change orders have been incurred due to design changes, additional material/equipment and labor, added subcontractor work scope (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.

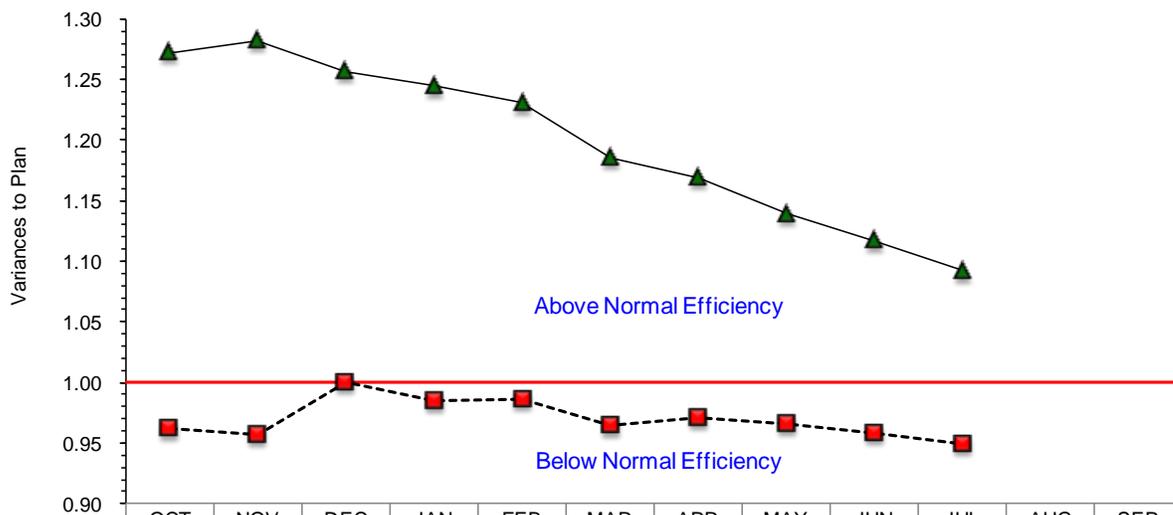
EARNED VALUE MANAGEMENT

Schedule and Cost Performance Indices



	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MONTHLY SPI	0.91	0.91	1.29	0.92	0.97	0.84	0.98	0.92	0.91	0.88		
MONTHLY CPI	1.12	1.12	1.20	1.14	1.05	0.91	1.08	0.88	0.89	0.89		
-■- CTD SPI	0.98	0.97	1.00	0.99	0.99	0.98	0.98	0.97	0.97	0.96		
-▲- CTD CPI	1.09	1.09	1.10	1.10	1.10	1.08	1.08	1.07	1.06	1.05		

Schedule and Cost Performance - ARRA

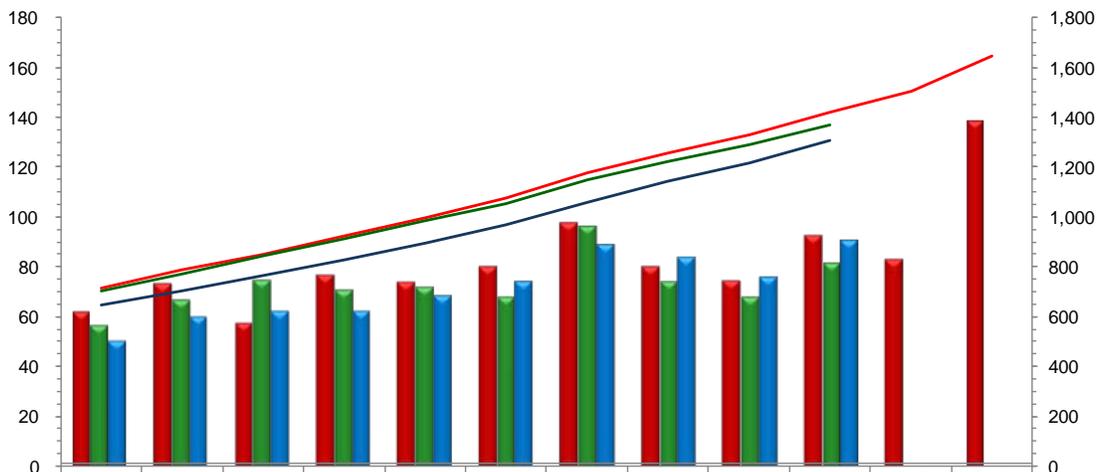


	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MONTHLY SPI	0.92	0.93	1.39	0.90	1.00	0.81	1.01	0.92	0.86	0.87		
MONTHLY CPI	1.40	1.33	1.12	1.17	1.14	0.89	1.07	0.90	0.90	0.87		
-■- CTD SPI	0.96	0.96	1.00	0.99	0.99	0.97	0.97	0.97	0.96	0.95		
-▲- CTD CPI	1.27	1.28	1.26	1.25	1.23	1.19	1.17	1.14	1.12	1.09		

Schedule and Cost Performance

Bars: Current Month (\$M)

Lines: Contract To Date (\$M)

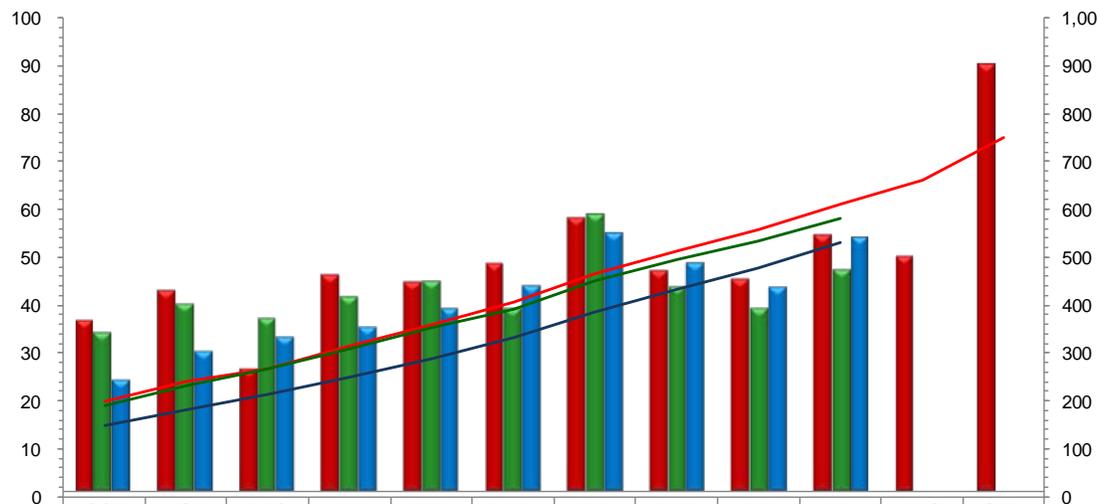


	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MONTHLY BCWS	62.1	73.4	57.7	76.8	73.7	80.0	97.6	80.2	74.3	92.5	82.9	138.3
MONTHLY BCWP	56.4	66.6	74.7	70.6	71.7	67.4	95.9	73.6	67.4	80.9		
MONTHLY ACWP	50.3	59.6	62.1	62.0	68.4	73.9	88.5	83.3	75.5	90.5		
CUMULATIVE BCWS	715.5	788.9	846.7	923.5	997.2	1,077.	1,174.	1,255.	1,329.	1,421.	1,504.	1,642.
CTD BCWP	701.8	768.4	843.1	913.7	985.4	1,052.	1,148.	1,222.	1,289.	1,370.		
CTD ACWP	644.8	704.4	766.5	828.5	896.9	970.8	1,059.	1,142.	1,218.	1,308.		

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	50.1	89.8
MONTHLY BCWP	33.9	39.9	37.1	41.3	44.5	39.1	58.5	43.6	39.0	47.0		
MONTHLY ACWP	24.3	30.0	33.1	35.1	39.0	43.9	54.8	48.4	43.4	53.8		
CUMULATIVE BCWS	198.2	241.1	267.7	313.7	358.4	406.8	464.8	511.9	557.1	611.4	661.5	751.3
CTD BCWP	190.8	230.7	267.8	309.0	353.6	392.6	451.1	494.7	533.6	580.6		
CTD ACWP	150.0	179.9	213.1	248.2	287.2	331.1	385.9	434.4	477.8	531.6		

Performance Analysis – July

ARRA Performance by PBS (\$M)

	Current Period				
	Budgeted Cost		Actual Cost ACWP	Variance	
	BCWS	BCWP		Schedule	Cost
RL-0011 - PFP D&D	9.9	8.0	9.8	(1.9)	(1.8)
RL-0013 - MLLW Treatment	1.8	0.9	0.1	(0.9)	0.8
RL-0013 - TRU Waste	11.0	8.4	9.0	(2.6)	(0.6)
RL-0030 - GW Capital Asset	6.8	8.0	10.8	1.2	(2.9)
RL-0030 - GW Operations	5.1	2.4	4.4	(2.8)	(2.1)
RL-0040 - U Plant/Other D&D	8.0	7.6	6.4	(0.4)	1.2
RL-0040 - Outer Zone D&D	2.9	2.2	(0.5)	(0.7)	2.7
RL-0041 - 100K Area Remediation	8.7	11.0	13.9	2.3	(2.9)
Subtotal	54.3	48.4	53.8	(5.9)	(5.4)
Fee			1.5		
Total			55.3		

ARRA

The Current Month unfavorable Schedule Variance (-\$5.9M/-10.8%) reflects:

- The RL-0013 negative variance (-\$3.5M) reflects the following subproject performance:
 - (-\$2.6M) RL-0013 TRU Waste – Transuranic (TRU) Retrieval delayed purchase of Trench Face Processing System (TFPS) due to vendor request for bid period extension, coupled with slower recovery and restart activities than planned, partially offset by correction of understated performance for prior month for TRU Characterization and Shipping.
 - (-\$0.9M) RL-0013 MLLW Treatment - Planned 435.1 Compliance waste processing was achieved in prior period, coupled with reduced MLLW shipments due to delay in receipt of waste from the Retrieval Project.
- The RL-0011 negative variance (-\$1.9M) is a result of the following:
 - (-\$2.0M) D&D 234-5Z – Field Work Supervisor absence/attrition restricted planned work due to limited span of management, or decreased efficiency pending replacement/qualification, beryllium work permit (BWP) comment incorporation, development of room-specific BWP, stop works on the Duct Level, and lost days to resolve potential electrical shock hazard or to implement recovery actions associated with contamination releases from a breached glove and removal of a 26-inch vacuum pipe.
 - (-\$0.3M) D&D 242Z – Access to the facility was restricted by a LCO SAC 5.24.2e.4, Work Control Requirements - ventilation restoration. Control room filters were replaced; however, the room negative did not improve enough to exit the LCO.
 - (+\$0.4M) Accelerated D&D - Isolation of five access control buildings and inner security fence and razor wire removal are being worked ahead of schedule.

- Recovery – this negative schedule variance is expected to continue. The RMA/RMC D&D project is three months behind schedule and the ability to consistently recover schedule has yet to be demonstrated, which presents a risk for meeting the baseline completion date. Additional overtime, including weekend work, will be used to recover the behind schedule condition.
- The RL-0030 negative variance (-\$1.6M) reflects the following subproject performance:
 - (-\$2.8M) ARRA RL-0030.R1.2 GW Operations
 - Ramp-up and Transition (-\$2.0M) - result of the Utilities and Buildings Erection contractor not performing as planned. The contractor is under staffed for this project. Project has put in place several corrective actions to regain schedule.
 - Drilling (-\$0.8M) - due to contractor operational issues (stop work) and is being resolved. The delays will impact RI/FS for 100-KR-4, 100-NR-2, 100-HR-3, and 300-FF-5 with some scope pushing into FY2011.
 - (+\$1.2M) ARRA RL-0030.R1.1 GW Capital Asset
 - 200-ZP-1 Operable Unit (+\$2.6M) - Primarily related to early delivery of the microfiltration membranes, fluidized bed system activities, RAD building exterior work, and subcontractor materials/equipment/and technical submittals. These ahead of schedule activities will help ensure the project meets completion deadlines.
 - Drilling (+\$0.3M) - result of utilizing multiple drill rigs for ZP-1 drilling as per the recovery plan. The CTD is also positive.
 - 100 HR-3 Operable Unit (-\$1.7M) - due to installation of equipment inside the DX process and M2 transfer buildings ahead of schedule. Work scope planned in July was completed in prior months resulting in the current month negative variance. DX will complete ahead of schedule.
- The RL-0040 negative variance (-\$1.1M) reflects the following subproject performance:
 - (-\$0.7M) ARRA RL-0040.R1.2 Outer Zone D&D - In waste sites, the BCCA variance (-\$0.7M) is due to increased contamination and greater than planned volumes of soil being remediated in BC Control Area Zone A; nesting and migratory bird impacts have been realized through July 15; about a week of work was lost this month due to ERDF shutdown; and three days were lost, cumulative, due to weather. ERDF shutdown, migratory bird impacts and greater than planned excavation also impacted MG-1 and CW-3 sites (-\$0.1M). In addition, BCR-PRC-10-0050R0 (Outer Zone Replanning) was implemented in July resulting in positive point adjustment (+\$0.7M) for the month offsetting some of the current month negative schedule variance. Several ALE towers have not been released to work causing a negative schedule variance (-\$0.4M).
 - (-\$0.4M) ARRA RL-0040.R1.1 U Plant/Other D&D - The 200E Administration Project (-\$0.9M) variance is due to issues with bio-hazard and limited resources for performing asbestos abatement, the U Canyon Project (-\$0.3M) variance is due to issues with placing the Grout Contract, and the U Ancillary Project (-\$0.1M) experienced delays with equipment failures and stop works. This is offset by Capital Equipment (+\$0.7M) receiving several pieces of equipment ahead of schedule and miscellaneous accounts not within threshold (+\$0.2M).
- The RL-0041 positive Variance (+\$2.3M) is due to the following:
 - 100K Area Project (Facilities and Others) (+\$5.4M) – due to various positive and negative variances including: Utilities (+\$5.9M) with execution of field work on the electrical and water projects beginning to recover schedule slippage; Project Management (-\$0.2M) due to the failure to claim performance on the General Site Cleanup activity; 105KE Reactor (+\$0.2M) due to completion of explosive demolition of overhead crane and C elevator; and Facilities (+\$0.2M)

from 183KW Sedimentation Basin Complex recovering some schedule from prior months. This is offset by a negative schedule variance in K West Deactivation (-\$0.6M) due to the small and medium debris disposition campaign being delayed by the installation of the East/West monorails and hoist. The variance was improved slightly by the sludge vacuuming efforts.

- Waste Sites (-\$3.1M) – due to various positive and negative variances including: slow implementation of an Advanced Work Authorization (AWA) for the remaining work of 120-KW-1 and initiation of 100-K-63 caused (-\$1.0M). Encumbered access due to D4 priorities is associated with (-\$1,242.1K). Access was restricted at 100-K-3, 100-K-42, 100-K-47, 100-K-53, 100-K-56, and 100-K-71. Waste site 100-K-55, which is adjacent to 105KW Fuel Storage Basin and is part of the 100K cross-site line, experienced (-\$0.7M). Confirmatory sample sites progressing other than planned contributed to the variance (-\$0.2M).

The Current Month unfavorable Cost Variance (-\$5.4M/-11.2%) reflects:

- The RL-0030 negative variance (-\$4.9M) reflects the following subproject performance:
 - (-\$2.9M) ARRA RL-0030.R1.1 GW Capital Asset
 - 200-ZP-1 Operable Unit (-\$1.6M) due to the correction of a June over accrual of engineering services requiring an under accrual in July. This correction will not negatively impact CTD cost.
 - 100-HR-3 Operable Unit (-\$1.5M) due to lagging payments/accruals for work that was completed in earlier months. Projected is expected to complete for less than planned.
 - (-\$2.1M) ARRA RL-0030-R.1.2 GW Operations
 - Ramp-up and Transition (-\$2.1M) result of cost being realized for performance claimed in previous months. The overall CTD cost variance remains positive.
 - Well Drilling (+\$0.3M) due to efficiencies obtained in NR-2 and HR-3 well drilling and decommissioning activities. These savings are expected to continue and increase the current CTD positive cost variance.
- The RL-0041 negative variance (-\$2.9M) is due to the following:
 - 100K Area Project (Facilities and Others) (-\$4.3M) - The negative variances in Facilities (-\$2.0M) on the 183KW Sedimentation Basin Complex is due to recovering very little BCWP earned (this should correct itself in August once one of these facilities complete) and increased 1706KE/KER costs due to removal of equipment/piping in the substructure that was not included in the estimate; Project Management/MSA Assessments (-\$1.7M) due to D&D facility remediation site housecleaning activities being charged to the General Site Cleanup account, higher than planned receipt of G&A: receipt of sales tax on FY2009 and FY2010 CENRTC purchases attributed to the PBS overrun this month (allocation based on direct costs); 105KE Reactor (-\$0.2M); and K West deactivation (-\$0.9M) variance is due to no work performed on the small and medium debris disposition campaign (see SV discussion) although vacuuming activities were performed. This was offset by a positive cost variance in Utilities (+\$0.5M). The Electrical project is reporting a negative variance (-1.2M) due to the actualized cost on the Mobile Substation contract. The Water project is reporting a positive variance (+1.7M) primarily due to subcontractor recovery of schedule performance with costs to be actualized in August.
 - Waste Sites (+\$1.4M) - The positive variance is directly related to an ERDF pass-back of approximately \$1.8M received this month.
- The RL-0011 negative variance (-\$1.8M) is due to the following:
 - (-\$1.4M) Inability to perform work due to work delays/stops, while labor costs for the field work teams remained relatively constant.

- (-\$0.5M) Overhead allocations.
- (-\$0.2M) D&D 242Z – D&D Team personnel continue to make entries in order to remove waste and debris that was not initially identified. In addition, contamination levels require the team to prepare for and spray fixative in excess of what was planned.
- (+\$0.3M) D&D Misc. Buildings - Synergy realized with other projects in completing access control building isolations, partially offset by timecard corrections not yet processed.
- Recovery – this negative cost variance is expected to continue while corrective actions related to work stoppage are implemented. The life cycle cost performance is expected to decline due to the need for utilization of increased overtime to recover schedule associated with stop work and safety stand-downs.
- The RL-0040 positive variance (+\$3.9M) reflects the following subproject performance:
 - (+\$2.7M) ARRA RL-0040.R1.2 Outer Zone D&D - The variance is a result of an adjustment (pass-back) to ERDF waste disposal costs to reflect the operational efficiencies of the super dump trucks (+\$3.6M). This continues to be partially offset by costs associated with delays related to migratory birds and the greater depth of contamination. In addition, the ERDF adjustment reduced costs for the 212N/P/R Project (-\$0.4M).
 - (+\$1.2M) ARRA RL-0040.R1.1 U Plant/Other D&D - The U Ancillary Project overrun of (-\$0.6M) is due to using more resources to prepare the area around the perimeter in order to minimize the potential of spreading contamination, higher costs for insulators and material purchases for 200E Administration Project (-\$0.3M), and higher Usage Based Costs (-\$0.1M). This is offset by underruns in the Capital Equipment Project due to receiving equipment and not being able to accrue the costs (+\$1.4M) and a reduction in G&A (+\$0.7M) and miscellaneous accounts exceeding threshold (+\$0.1M).
- The RL-0013 positive variance (+\$0.3M) reflects the following subproject performance:
 - (+\$0.8M) RL-0013 MLLW Treatment - Cost transfer for ERDF to correct charging of two super dump trucks.
 - (-\$0.6M) RL-0013 TRU Waste - Continuation of TRU Retrieval corrective action and recovery planning.

Base Performance by PBS (\$M)

	Current Period				
	Budgeted Cost		Actual Cost ACWP	Variance	
	BCWS	BCWP		Schedule	Cost
RL-0011 - Nuclear Mat Stab & Disp PFP	4.4	3.9	4.2	(0.5)	(0.3)
RL-0012 - SNF Stabilization & Disp	7.2	6.8	7.6	(0.4)	(0.8)
RL-0013 - Solid Waste Stab & Disp	7.8	8.2	9.0	0.4	(0.8)
RL-0030 - Soil & Water Rem-Grndwtr/Vadose	14.5	12.1	13.1	(2.4)	(1.0)
RL-0040 - Nuc Fac D&D - Remainder Hanfrd	1.6	1.8	1.4	0.1	0.4
RL-0041 - Nuc Fac D&D - RC Closure Proj	2.4	1.0	1.1	(1.5)	(0.1)
RL-0042 - Nuc Fac D&D - FFTF Proj	0.1	0.1	0.1	0.0	0.0
Subtotal	38.2	33.9	36.6	(4.2)	(2.7)
Fee			1.4		
Total			38.1		

Base

The Current Month unfavorable Schedule Variance (-\$4.2M/-11.1%) reflects:

- The primary contributors to the RL-0030 negative variance (-\$2.4M) are as follows:
 - 100 HR-3 Operable Unit (-\$0.9M) - Delays in the contract to procure and install HX treatment building and delays to document revisions in the OU required to meet 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. The delays in document revisions are not expected to continue.
 - Regulatory Decision/Closure (-\$0.7M) - Result of work scope 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-0041 negative variance (-\$1.5M) is due to the following:
 - Waste Sites (-\$1.0M) - Associated with a late start of remediation for waste site 100-K-109 under AWA-PRC-10-040R0. Work is anticipated to start on this waste site in early-to-mid-August.
 - 100K Area Project (Facilities and Others) (-\$0.5M) - performance could not be taken on a large group of buildings that have been characterized/deactivated, and no field work has been performed.
- The RL-0012 negative variance (-\$0.4M) is due to the following:
 - The STP current month variances include 1) Estimate omission in the settler tank sampling activities for the boroscope inspection and engineering evaluation of the residual sludge, as well as the activity to remove the filters from EC-230, were not accounted for in the baseline, but were required to be completed before settler tank sampling could be initiated (-\$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 (-\$0.2M), and 3) Mockup pool at MASF

completed early and the schedule is now catching up with the performance that had been realized (-\$0.1M).

- Recovery actions for the Settler Tank Sampling schedule variance will correct when the Sampling activities initiate. The boroscope inspection, engineering analysis and filter removal activities completed this month, and the Management Self-Assessment will begin in early August, with sampling operations following. 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-0011 positive variance (+\$0.5M) is primarily due to reassignment of the team performing the process equipment removal from the west gallery gloveboxes to work on other work scope outside of the project, failure of the canyon crane, and two contamination events. The negative variance is expected to continue until the reassigned team returns to work on PRF. Overtime will be utilized to maintain limited progress on the process equipment removal from the west gallery gloveboxes.
- The RL-0013 positive variance (+\$0.4M) is due to the completion of Fire Hazard Analysis and Special Packaging Authorization (SPA) update for Next Generation Retrieval (NGR).
- The RL-0040 and RL-0042 variances (+\$0.1M) are within reporting thresholds.

The Current Month favorable Cost Variance (-\$2.7M/-8.0%) reflects:

- The primary contributors to the RL-0030 negative variance (-\$1.0M) are as follows:
 - Regulatory Decision/Closure (-\$1.0M) - due to impacts associated with the new Central Plateau Closure Strategy which has impacted work scope in the current plan that is changed. In addition, a current month cost correction for ERDF cost that had been inadvertently charged to a different account caused an overrun in the Multi-Incremental Sampling account. CTD cost variance remains positive. The new Central Plateau Strategy will be implemented in the baseline this fall.
 - PBS RL-30 UBS, G&A, and DD (-\$0.3M) - The CTD negative variance is discussed in Appendix C.
 - 300-FF-5 Operable Unit (+\$0.3M) - Significant progress was made and efficiencies achieved on the bench and intermediate scale tests. These current month efficiencies will recover some of the previous CTD cost overruns.
- The RL-0012 negative variance (-\$0.8M) reflects the following:
 - The 100K Area negative variance (-\$0.3M) is due to Subcontractor (ICWEAs) support increasing: MSA cost is running higher than planned; fleet charges are higher than planned. Recovery action: MSA cost is currently being reviewed to determine how much is RL-0012 and how much is RL-0041. When the RL-0041 portion is determined, a cost transfer will be submitted.
 - Project Services & Support (-\$0.3M) higher than planned receipt of G&A attributed to the PBS overrun this month (allocation based on direct costs).
 - The STP negative variance (-\$0.2M) is within reporting thresholds.
- The RL-0013 negative variance (-\$0.8M) is due to the assessments, and use of Mission Support Alliance (MSA) services continuing above plan, and inadvertent charges to WRAP (cost transfer to be completed next month to ARRA account), partially offset by RH/Large Box Repack unaccrued costs due to contract execution delay until late July (Notice to Proceed without contract was issued by Procurement in June).

- The RL-0041 negative variance (-\$0.1M) is due to the following:
 - Waste Sites (-\$0.1M) - primarily due to increased costs for non-site specific support.
 - 100K Area Project (Facilities and Others) (-\$0.0M) - The negative variance is User Based Services (-\$0.2M) higher than planned receipt of costs attributed to the PBS overrun this month and Facilities (-\$0.4M) of numerous small charges. This is offset by the positive cost variance in 105KE Core Removal (+\$0.5M) attributed to accrual information correction in July.
- The RL-0011, RL-0040 and RL-0042 variances (+\$0.1M) 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	129.9	121.4	115.7	(8.5)	5.7	292.1	274.4	17.8
RL-0013 - MLLW Treatment	31.8	30.9	28.0	(0.8)	2.9	47.7	45.8	1.9
RL-0013 - TRU Waste	98.1	90.3	94.6	(7.8)	(4.3)	238.9	232.6	6.3
RL-0030 - GW Capital Asset	44.7	52.1	49.5	7.4	2.6	171.2	171.1	0.1
RL-0030 - GW Operations	49.7	43.4	33.0	(6.3)	10.4	84.5	77.6	6.9
RL-0040 - U Plant/Other D&D	108.9	104.6	91.4	(4.3)	13.2	197.6	182.4	15.1
RL-0040 - Outer Zone D&D	36.1	34.1	28.8	(2.0)	5.3	86.7	84.8	1.9
RL-0041 - 100K Area Remediation	112.2	105.3	90.6	(6.9)	14.7	189.8	186.2	3.6
Subtotal	611.4	582.1	531.6	(29.3)	50.5	1,308.5	1,254.9	53.6
Management Reserve						30.4		
Fee			32.5			72.1		
Total			564.1			1,411.0		

ARRA

The CTD unfavorable Schedule Variance (-\$29.3M/-4.8%) reflects:

- The RL-0013 CTD negative variance (-\$8.6M) reflects the following subproject performance:
 - (-\$0.8M) RL-0013 MLLW Treatment – Accelerated disposal of 435.1 Compliance waste; partially offset by reduced MLLW shipments due to delay in receipt of waste from the Retrieval Project, and delayed procurement of Type A Waste container.
 - (-\$7.8M) RL-0013 TRU Waste – TRU Retrieval experienced slower recovery and restart activities than planned, Next Generation Retrieval (NGR) proceeding with sequential site preparation versus parallel, delayed purchase of Trench Face Processing System (TFPS) due to vendor request for bid period extension, and TRU Characterization and Shipping delay in full CCP program implementation, CCP resources for NDE, some equipment availability, and inefficiencies due to support of audits; partially offset by efficiencies in WRAP Repack.
- The RL-0011 CTD negative variance (-\$8.5M) is due to the following:
 - (-\$4.9M) 234-5Z Process Facility and Labs – Performance impacted by safety stand-down and stop works, diversion of resources to support emergent activities to remove legacy combustible waste, recovery actions from the nitric acid event, additional time needed on chemical

decontamination and removal of external connections, spurious Continuous Air Monitor (CAM) alarms, resource constraints, and delays in enlarging Room 230C door to facilitate glovebox removal. Recovery actions are being developed to address this schedule delay to ensure the milestone for completing glovebox removal is achieved by September 30, 2011. Schedule delay will not be completely realized until the end of FY2011.

- (-\$2.0M) Balance of 234-5Z – Unplanned process vacuum mockup work to mitigate risk associated with this high hazard radiological work, safety stand-down, stop works, resource constraints (out-of-service freight elevator, planners, NCOs and RCTs, field crew), and delays either due to or to avoid disruption of higher-priority work in the facility.
- (-\$1.0M) D&D 242Z – Greater-than-expected obstacles due to stop work issues, challenges in E-3 ventilation system compliance, and water intrusion.
- (-\$0.9M) 2736Z/ZB – Work package priorities and engineering paperwork has caused delays in removal of NDA equipment from Room 637 and clean out of process support equipment from Room 641. Expected schedule recovery – November 2010.
- (-\$0.5M) Facility Modifications – Primarily due to lack of engineering resources associated with alternate exhaust system design and installation, and delay in completing 234-5Z door modifications impacted by safety stand down and stop works. Recovery: alternate exhaust system engineering resources assigned and a Request for Proposal issued in August for conceptual design. 234-5Z door modifications will complete in FY2010. The schedule cannot be recovered.
- (+\$0.7M) D&D Misc. Buildings – Under an accelerated D&D program, harvested physical security equipment earlier than planned, exterior barriers and monitoring equipment redeployed to other projects, ISVs and Fuel Vault completed early and redeployed to ERDF, inner fence, razor wire, and physical isolations of five control access buildings being completed ahead of schedule.
- The RL-0041 CTD negative variance (-\$6.9M) is due to the following:
 - Waste Sites (-\$5.3M) - The variance is primarily related to implementation of BCRs and AWAs on top of planned work while not moving work scope out. See the “Current Schedule Variance” for additional details.
 - 100K Area Project (Facilities and Others) (-\$1.6M) - The positive variance is K West Deactivation (+\$3.8M) being ahead of schedule on small debris removal and vacuuming. This is offset by negative variances in Utilities (-\$2.7M) 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. The Facilities (-\$1.5M) negative schedule variance is because of 183.1KW Head House was paused while adjacent waste remediation was completed, 183.3KW where demolition is taking twice as long due to the footers being seven to ten feet thick which was not on the drawings, 115KE/117KE Gas Buildings where work has been paused until the 116KE stack is 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 (-\$1.2M) negative schedule variance is due to availability of insulators to complete asbestos removal and the late start of demolition activities.
- The RL-0040 CTD negative variance (-\$6.3M) reflects the following subproject performance:

- (-\$4.3M) ARRA RL-0040.R1.1 U Plant/Other D&D - The contributors to the negative variance are: 1) Finalizing the grouting contract for U Canyon (-\$1.8M), 2) Delays with the 200E Administration Buildings (-\$2.2M) due to bio-hazard and radiological control issues, 3) 209E (-\$0.1M), 4) U Ancillary Demolition (-\$0.7M) schedule delays due to asbestos abatement/respirator issues, 5) Offset by receipt of several pieces of Capital Equipment ahead of schedule (+\$0.5M).
- (-\$2.0M) ARRA RL-0040.R1.2 Outer Zone D&D - The negative variance (-\$1.8M) 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 (-\$2.3M). Deferral of work on 600-275 and 600-220 (-\$0.3M), offset in part by early work in miscellaneous waste sites (+\$0.8M). Several ALE towers have not been released for work causing a negative schedule variance (-\$0.3M).
- The primary contributors to the RL-0030 CTD positive variance (+\$1.1M) are as follows:
 - ARRA RL-0030.R1.1 GW Capital Asset
 - 100-HR-3 Operable Unit (+\$3.1M) - Acceleration of procurement and construction for DX. With the implementation of AWA-PRC-10-017, work scope was scheduled to start at the beginning of FY2010. However, a significant amount of work had already been performed in FY2009 and that work scope is representative of the CTD positive schedule variance. The project is projected to complete ahead of schedule.
 - 200-ZP-1 Operable Unit (+\$3.7M) - Related to 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. These ahead of schedule activities will help ensure the project meets completion deadlines.
 - ARRA RL-0030.R1.2 GW Operations
 - Drilling (-\$1.3M) Due to contractor operational issues (stop work) and is being resolved. The delays will impact RI/FS for 100-K-4, 100-NR-2, 100-HR-3, and 300-FF-5 with some scope pushing into FY2011.
 - Ramp-up & Transition (-\$5.1M) The primary contributors to the negative variance are: 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 S&GW foundation which was incorrectly placed. The contract is currently forecasted to complete four months behind schedule.

The CTD unfavorable Cost Variance (+\$50.5M/+8.7%) reflects:

- The RL-0040 CTD positive variance (+\$18.5M) reflects the following subproject performance:
 - ARRA RL-0040.R1.1 U Plant/Other D&D - The positive variance is largely due to favorable performance of the Cold and Dark teams and the Sampling and Characterization/Waste Identification Form teams (D4) (+\$3.7M), G&A and direct distributable allocations (+\$6.8M), less for Program Management than planned (+\$0.5M), efficiencies at U Canyon (D4) (+\$3.9M), less resources than planned for C-3 Sampling (+\$0.7M) and 200E Administration (+\$1.4M), lower than planned costs for capital equipment (D4) (+\$3.6M), 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) (-\$5.0M), coupled with increased insulator staff and overtime to recover schedule 209E Project (-\$0.1M) and higher MSA (-\$1.8M) costs for Fleet/Training, etc. In addition, minor accounts that exceed threshold (-\$0.5M).

- ARRA RL-0040.R1.2 Outer Zone D&D - The positive variance is due to efficiencies in ALE Facilities D&D (+\$4.1 M), and less than planned program management and CSNFA costs (+\$1.0M). A waste site favorable CTD cost variance is due to O Zone RTD Waste Sites an adjustment (passback) to ERDF waste disposal costs to reflect the operational efficiencies of the super dump trucks, and is partially offset by increased cost for 212 N/P/R due to backfill activities (+\$2.3M). In addition, a negative cost variance is associated with the Disposition of Railcar (-\$0.2M) due to unplanned costs for NDA of the cars.
- The RL-0041 CTD positive variance (+\$14.7M) is due to the following:
 - 100K Area Project (Facilities and Others) (+\$9.3M) - From K West deactivation (+\$5.4M) for the debris removal campaign removing smaller debris units first and efficiencies from utilizing experienced staff. The Facilities (+\$3.5M) is due to efficiencies of scale for concurrent demolition and \$3M of ERDF disposal cost avoidance. The 105KE Reactor Disposition (+\$1.4M) positive cost variance is attributed to decontamination work utilizing less engineering and administrative staff as planned, and over-estimation of obstruction removal project management, site preparation and obstruction removal design costs. The utility water project is reporting a significant positive CTD cost variance that is offset by the negative CTD cost variance for the electrical power project (+\$1.7M). This is due to proposals from the construction contractors for the water treatment system and dual-use water storage tank costing less than originally estimated. These are offset by a negative cost variance in Project Management (-\$2.7M) where general site cleanup labor has been utilized on general site cleanup work scope.
 - Waste Sites (+\$0.9M) variance is primarily due to the ERDF pass-back.
 - Project Support & Services (+\$4.5M) G&A achieved efficient use of assigned resources.
- The primary contributors to the RL-0030 CTD positive variance (+\$12.9M) are as follows:
 - ARRA RL-0030.R1.1 GW Capital Asset
 - 100-HR-3 Operable Unit (+\$2.3M) - Due to efficiencies experienced during installation of HDPE piping, road crossings, and installation of equipment in the process and M2 transfer buildings. It is anticipated that DX will underrun at project completion.
 - ARRA RL-0030.R1.2 GW Operations
 - Drilling (+\$3.9M) - Due to efficiencies 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. Efficiencies in NR-2 and HR-3 are expected to continue resulting in additional positive cost variance.
 - Regulatory Decision & Closure Integration (+\$1.7M) - Due to completing work scope more efficiently than planned; primarily in the areas of multi-incremental sampling, borehole drilling, landfill characterization, and document preparation. Funds will be available to support other activities.
 - Ramp-up and Transition (+\$2.9M) - Due to overstated performance being compared against actuals. 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. The project is anticipated to complete with a small positive cost variance.
 - PBS RL-30 UBS, G&A, and DD (+\$1.5M) The CTD positive cost variance is discussed in Appendix C.

- 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-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)

	Contract to Date					Contract Period		
	Budgeted Cost		Actual Cost	Variance				
	BCWS	BCWP	ACWP	Schedule	Cost	BAC	EAC	Variance
RL-0011 - Nuclear Mat Stab & Disp PFP	117.8	115.3	112.4	(2.4)	3.0	339.6	346.5	(6.9)
RL-0012 - SNF Stabilization & Disp	158.2	154.2	158.4	(4.0)	(4.2)	577.4	583.4	(6.0)
RL-0013 - Solid Waste Stab & Disp	222.0	218.7	218.9	(3.3)	(0.3)	1,574.9	1,579.5	(4.5)
RL-0030 - Soil & Water Rem-Grndwtr/Vadose	236.5	227.6	219.1	(9.0)	8.4	1,207.8	1,197.4	10.4
RL-0040 - Nuc Fac D&D - Remainder Hanfrd	45.8	46.0	39.4	0.2	6.6	979.0	969.0	10.0
RL-0041 - Nuc Fac D&D - RC Closure Proj	20.2	18.5	19.4	(1.8)	(0.9)	377.5	349.4	28.0
RL-0042 - Nuc Fac D&D - FFTF Proj	9.8	9.8	9.2	0.0	0.6	25.0	23.8	1.2
Subtotal	810.4	790.1	776.9	(20.3)	13.1	5,081.3	5,049.1	32.2
Management Reserve						173.8		
Fee			37.5			231.9		
Total			814.4			5,487.0		

Base

The CTD unfavorable Schedule Variance (-\$20.3M/-2.5%) reflects:

- The following variances within the RL-0030 CTD negative variance (-\$9.0M) exceed the reporting thresholds:
 - 100-HR-3 Operable Unit (-\$4.2M) - Delays in HX design activities that have also now impacted field work (distribution of electricity and piping, erection of HX process building and full scale bioremediation). While initial field work has been delayed, no impact is expected to the scheduled completion dates of the HX Pump-and-Treat facility.
 - Regulatory Decision/Closure (-\$2.0M) The CTD negative schedule variance is primarily a result of 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-0013 CTD negative variance (-\$3.3M) is due to delayed Large Box Repack shipments of low gram TRU waste due to delayed contract establishment, extended review of the application on the polyurea by the Joint Evaluation Team (JET) and the HRB coupled with diversion of resources to higher priority work have delayed long-term box storage, and CSB Engineering delay due to resource availability (assigned to higher priority activities).
- The RL-0011 CTD negative variance (-\$2.4M) is due to the following:
 - (-\$1.8M) D&D 236Z (PRF) – BROKK remote handling system procurement delayed by decision to manually size-reduce pencil tanks, and Canyon Floor Cleaning and removing pulsar and pH hood gloveboxes delayed by reactivation of canyon crane. These delays are offset by early execution of Readiness Assessment in support of Manual Size Reduction of Pencil Tanks, pencil tank size reduction, and east gallery glovebox internal strip out.
 - The schedule variance associated with the procurement of the BROKK will continue pending the completion of the evaluation of the manual size reduction approach (~November 2010). Expected Recovery ~January 2011.
 - The schedule variance associated with floor cleaning and hood removal is due to the increased duration for canyon crane reactivation. Expected Recovery – September 2010.

- (-\$0.6M) Facility Modifications – Additional safety, health, and Beryllium requirements are causing this variance.
- The RL-0012, RL-0040, RL-0041 and RL-0042 CTD variances (-\$5.6M) are within reporting thresholds.

The CTD favorable Cost Variance (+\$13.1M/+1.7%) reflects:

- The primary contributors to the RL-0030 CTD positive variance (+\$8.4M) that exceed reporting thresholds are as follows:
 - GW Monitoring & Performance Assessments (-\$2.4M) - Due to 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.
 - 200-ZP-1 Operable Unit (+\$2.4M) - Reflects the following factors: 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 (C7017) 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. This positive cost variance is expected to be available for funds management within other areas of the project.
 - Regulatory Decision & Closure Integration (+\$2.0M) - Due to completing work scope more efficiently than planned; primarily in the areas of multi-incremental sampling, borehole drilling, landfill characterization, and document preparation. The project is currently preparing a BCR to implement the new Central Plateau Closure Strategy and will develop the new budget requirements.
 - 100-NR-2 OU (+\$1.8M) - Resulting from 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. It is anticipated that this underrun can be funds managed for other project scope.
 - 100-KR-4 OU (+\$1.5M) - Efficiencies obtained with the KR-4 Operations and Maintenance accounts, which are expected to continue throughout the fiscal year.
 - Usage Based Services (-\$1.4M) – Due to the 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-0040 CTD positive variance (+\$6.6M) - 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 (+\$0.2M) 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 (+\$1.2M) 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 RL-0011 CTD positive variance (+\$3.0M) is due to the following:

- (+\$1.7M) D&D Materials, Subcontracts, and Waste Container Procurements, D&D staff ramp-up, and recognized efficiencies in Min-Safe Operations.
- (+\$1.4M) Early Completion of Spent Nuclear Material De-Inventory.
- (+\$1.4M) Efficiencies associated with PRF east gallery glovebox cleanout and elimination of “Q” shift to support pencil tank size reduction.
- (-\$1.5M) Usage Based Services – Increased cost in training tuition and in Facility Services due to the increased number of trailers to support D&D work activities.
- 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 combined 100K and STP variances within the RL-0012 CTD negative variance (-\$4.2M) are within reporting thresholds.
- The RL-0041 and RL-0042 CTD variances (-\$1.5M) are within reporting thresholds.
- The RL-0013 CTD negative variance (-\$0.3M) is due to increased assessments (facility services, fleet services, training, other services) 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 additional repack operations, partially offset by efficiencies in MLLW (due to treating waste at ES-Clive rather than planned treatment at PFNW), Off Site Spent Nuclear Fuel (SNF), TRU Repacking repack lines, and TRU Disposition, and lower G&A than planned.

FUNDING ANALYSIS

FY2010 Funds vs. Spending Forecast (\$M)

PBS	Project	FY 2010		
		Base line Funding	Spending Fore cast	Variance
RL-0011	Nuclear Materials Stabilization and Disposition	106.7	100.5	6.3
RL-0013	Waste and Fuels Management Project	129.0	129.8	(0.8)
RL-0030	Soil, Groundwater and Vadose Zone Remediation	108.4	102.2	6.2
RL-0040	Nuclear Facility D&D, Remainder of Hanford	117.7	109.6	8.0
RL-0041	Nuclear Facility D&D, River Corridor	99.4	106.1	(6.7)
Total ARRA:		561.2	548.1	13.1
RL-0011	Nuclear Materials Stabilization and Disposition	57.2	50.6	6.7
RL-0012	Spent Nuclear Fuel Stabilization and Disposition	86.5	79.3	7.1
RL-0013	Waste and Fuels Management Project	108.1	100.4	7.7
RL-0030	Soil, Groundwater and Vadose Zone Remediation	176.4	144.3	32.1
RL-0040	Nuclear Facility D&D, Remainder of Hanford	25.4	16.4	9.0
RL-0041	Nuclear Facility D&D, River Corridor	35.8	15.4	20.3
RL-0042	Fast Flux Test Facility Closure	1.6	1.1	0.5
Total Base:		491.1	407.6	83.5
Combined ARRA/Base Total:		1,052.2	955.7	96.5

Funds/Variance Analysis:

Projected Funding includes FY2009 uncosted and FY2010 expected new budget authority.

RL-0041 Facility D&D activities are being re-estimated as part of the Rev. 2 Update. Once completed, this effort is expected to reduce the EAC. Other scenarios are also being evaluated to reduce the ARRA EAC.

BASELINE CHANGE REQUESTS

In July 2010, CHPRC approved and implemented nine (9) baseline change requests, of which four (4) are administrative in nature and did not change budget, schedule or scope.

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

Change Request #	Title	Summary of Change
Implemented into the Earned Value Management System for July 2010		
AWA-PRC-10-045R0	Continuation of Waste Site 600-222 as RTD Site (failed CSNA)	There is no change to contract scope; however, the performance measurement baseline (PMB) is adjusted. This change request adds PMB scope for remediation of waste site 600-222 through the removal, treatment and disposal (RTD) method as a result of the site having contaminants in excess of the remedial action goals when sampled to allow closure as a "confirmatory sampling no action (CSNA)" site. To accommodate this increased PMB scope for waste site 600-222, the start of work on waste site 216-A-25 is deferred. There is no use of management reserve but additional Base funding is requested. However, CHPRC is using funds management in FY2010 to cover the costs of this advanced work authorization (AWA) until funds are made available by RL. An AWA is used because implementation is urgent to meet WCH and RL objectives toward the 2015 vision and early footprint reduction initiatives.
BCR-030-10-017R0	Revision to Integrated Field Work Spares & Training, RL-30	The DX Pump & Treat facility is coming on line late in FY2010. Budget to cover the cost of the DX spares is not currently in the Integrated Field Work (IFW) spares PMB. This change request increases the spares budget to include the cost of the new spares for the DX facility. Furthermore, the sampling requirements in the recently approved 100 area Remedial Investigation/Feasibility Study (RI/FS) Work Plan documents have significantly increased the amount of sampling required for S&GW remedial investigations. Nine (9) new Nuclear Waste Process Operators and eight (8) new Radiation Control Technicians have recently been hired to support RI/FS sampling activities. Although the budget for performing sampling for the Operable Units involved has been addressed in previously approved change requests, the budget for the additional training requirements was inadvertently omitted. This change request increases the budget to include additional training requirements through FY2010 year end necessary to complete the characterization. No additional funding is required. Reserve Base funding in FY2010 is used to cover the increased budget. No management reserve is used.
BCR-041-10-003R0	Removal of RL-41 Scope per TPA Change Package M-16-09-10	Tri-Party Agreement (TPA) change package # M-16-09-10, "Modification of Hanford Federal Facility Agreement and Consent Order (HFFACO) M-016-155 Interim Milestone", removes the interim milestone and replaces it with two new TPA milestones, which are both due complete by 8/30/10. Administrative change request #BCRA-PRC-10-031R0, "Administrative Change for April 2010", added these two new TPA milestones to the Project Baseline Summary (PBS) RL-30 performance measurement baseline (PMB) in April 2010. This change request removes the unperformed portion of the RL-41 PMB work scope associated with deleted Interim TPA milestone M-016-155. There is no change to contract scope but the identified PMB scope in PBS RL-41 is removed. There is no change in funds and no use of management reserve.
BCR-PRC-10-049R0	Adjust Schedule Activities with Budget and no Resource Units	There is no change to contract scope and no change PMB scope. This change request adjusts only the specific activities with a budget value but zero quantities. This condition resulted from implementation of a point adjustment to budget in activities where the period of performance crosses a rate change. When the resource unit values are set to zero by the change, the differing rates result in a remaining budget value even with zero quantities. This change request adjusts the budget value for all identified activities with a corresponding offset. To preclude this condition from reoccurring, an adjustment to the change request implementation process has been made to scan for this condition and correct it prior to implementation. No additional funding is required and no management reserve is used.
BCR-PRC-10-050R0	Outer Zone Re-	There is no change to contract scope; however, the PMB scope is adjusted as follows:

Change Request #	Title	Summary of Change
	Planning of Existing Waste Sites, RL-40	This change request addresses the resulting re-plan of identified waste sites due to the unplanned increase in excavation volumes realized at Operable Unit CW-3 waste site 216-N-4 and waste site UPR-200-E-83 (BC Controlled Area, Zones A and B). The same resources used on waste site 216-N-4 and BC Controlled Area Zones A and B area are also planned for the following American Recovery & Reinvestment Act (ARRA) and Base waste sites: 216-A-25 (ARRA), 600-227 (ARRA), 600-49 (ARRA/Base), 600-65 (ARRA), UPR-200-W-34 (ARRA) and 200-E-126-PL (ARRA/Base). These six waste sites are re-planned. A change to the ARRA waste site remediation metrics, and ERDF waste disposal metrics, do occur and the change to these metrics are identified. No additional funding is required and no management reserve is used.
BCRA-012-10-009R0	FY2011 STP Testing & MASF Support	The Sludge Treatment Project (STP) Testing and Maintenance & Storage Facility (MASF) support activities are currently planning packages in the PRC Baseline for FY2011. This change request provides the detail estimates to convert the planning packages into work packages so that performance can be taken in accordance with Earned Value Management Systems (EVMS) requirements. Earned value methodology is changed only on activities for which work scope has not yet started. There is no change in scope or budget by fiscal year and no management reserve is used.
BCRA-013-10-011R0	Expense to Capital for Mobile Trailer at 200 ETF	Procurement, site preparation, and installation of a double-wide mobile trailer at 200 Effluent Treatment Facility (ETF) requires Capital Equipment Not Related To Construction (CENRTC) and General Plant Project (GPP) funding per capital determination analysis. The amount of funding to be capitalized covers procurement and installation of the mobile trailer (CENRTC) as well as asphalt paving, bollards, loading dock, and communication and electrical hookups (GPP). As such, this administrative change request adjusts the project type for this scope from expense to CENRTC and GPP as identified. There is no change in scope or budget by fiscal year and no management reserve is used.
BCRA-030-10-018R0	ZP-1 Pump Setting Truck Purchase, Capital	The procurement of an eight (8) ton well pump setting truck was originally budgeted as expense but has now been determined to be a capital procurement [Capital Equipment Not Related to Construction (CENRTC)] based on a recent capital determination analysis (included with change request). As such, this administrative change request adjusts the project type for this procurement from expense to CENRTC. The truck will assist in the setting of well pumps for the new extraction wells supporting the 200 West Area Groundwater Treatment Facility. There is no change in scope or budget by fiscal year as a result of this change request and no management reserve is used.
BCRA-PRC-10-051R0	General Administrative Changes for July 2010	This administrative change request incorporates changes to the PRC Baseline as summarized: (1) Adjusts the backup data for the basis of estimate on American Recovery & Reinvestment Act (ARRA) changes to ZP-1 Groundwater as originally documented in change request BCR-PRC-10-041R0, "ARRA Reapportionment, June 2010"; (2) Corrects the narrative text of redlined CEIS data sheets 040.02.29.07.09.10B and 040.02.29.07.08.10A as originally documented in the identified e-mail from CJ Armstrong, dated 7/19/10; (3) Changes the ARRA RL-30 Subproject coding for WBS elements 030.23.06.01.11.02, 030.23.06.01.15.01 and 030.23.06.01.18.02 from ARRA subproject RL-0030.R1.1, "Capital Assets" to RL-0030-R.1.2, "GW Operations", per RL direction; (4) Changes the ARRA subproject coding for RL-30 management reserve and Fee from RL-0030.R1.1, "Capital Assets", to RL-0030.R1.2, "GW Operations" per RL direction; and, (5) Makes HPIC changes as documented in the approved HPIC forms. The changes include new WBS elements, changes in Control Account and Work Package managers, and et cetera. There is no change in scope or budget by fiscal year and no management reserve is used.

Overall, the contract period PMB budget increased \$656.9K in July 2010. There is no use of management reserve in July 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 July 2010, is \$656.9K and is summarized by fiscal year in the tables below (negative number represents reduction):

July 2010 Summary of Changes to Estimated Contract Price

	FY 2009	FY 2010	FY 2011	FY 2012	FYs 2009-2013	FYs 2014-2018
June 2010 Contract Price						
PMB	653,426	993,191	999,909	693,942	3,957,586	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	1,067,210	1,079,108	764,519	4,286,144	2,612,571
Change by Funding Source to Contract Price in July 2010 (9 BCRs)						
PMB						
ARRA						
All ARRA WBSs	0.0	-3,977	3,426	0	-551	0.0
Base						
All Base WBSs	0	242	-357	9	-106	0
Change to PMB	0	-3,735	3,069	9	-657	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	-3,735	3,069	9	-657	0
July 2010 Contract Price						
PMB	653,426	989,457	1,002,978	693,950	3,956,929	2,432,841
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

Changes to/Utilization of Management Reserve in July 2010

		FY 2009	FY 2010	FY 2011	FY 2012	FY 2009-2013	FY 2014-2018
Management Reserve (MR) - End of June 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 July 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 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	

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 7/31/2010							Planned Subcontracting*	\$2,524,483,195	
Contracts + Purchase Orders + Pcards							Contract-to-Date Awards =	\$1,231,759,201	
Reporting Classification	ARRA		Non-ARRA		Total	Percent of Total	Goal	Balance Remaining to Award =	\$1,292,723,994
	(\$)	%	(\$)	%	(\$)		(%)	Goal Award (\$)	Bal. to Goal (\$)
SB	\$295,321,520	56.41%	\$316,987,980	44.76%	\$612,309,500	49.71%	49.30%	\$1,244,570,215	\$632,260,715
SDB	\$57,631,335	11.01%	\$53,171,023	7.51%	\$110,802,359	9.00%	8.20%	\$207,007,622	\$96,205,263
SWOB	\$65,617,258	12.53%	\$58,514,124	8.26%	\$124,131,382	10.08%	6.50%	\$164,091,408	\$39,960,026
HUB	\$7,533,310	1.44%	\$12,573,905	1.78%	\$20,107,215	1.63%	3.20%	\$80,783,462	\$60,676,247
VOSB	\$48,658,906	9.29%	\$26,598,430	3.76%	\$75,257,336	6.11%	2.00%	\$50,489,664	(\$24,767,672)
SDVO	\$6,572,253	1.26%	\$5,714,864	0.81%	\$12,287,117	1.00%	2.00%	\$50,489,664	\$38,202,547
NAB	\$5,169,974	0.99%	\$5,299,919	0.75%	\$10,469,893	0.85%	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: \$612,309,500 Balance to Requirement: \$211,701,099	
Large	\$165,952,067	31.70%	\$250,946,910	35.43%	\$416,898,977	33.85%	0.00%		
GOVT	\$56,868	0.01%	\$816,424	0.12%	\$873,293	0.07%	0.00%		
GOVT CONT	\$62,128,107	11.87%	\$136,419,526	19.26%	\$198,547,633	16.12%	0.00%		
EDUC	\$1,875	0.00%	\$41,872	0.01%	\$43,747	0.00%	0.00%		
NONPROFIT	\$30,275	0.01%	\$2,931,220	0.41%	\$2,961,495	0.24%	0.00%		
FOREIGN	\$28,080	0.01%	\$88,934	0.01%	\$117,014	0.01%	0.00%		
Total	\$523,518,793		\$708,240,408		\$1,231,759,201				

Notes:

1. Performance in FY2010 continues to exceed goals in the Disadvantaged Business, Woman Owned, and Veteran Owned categories.
2. Over 49% of awards have been made to small businesses with over 56% 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