

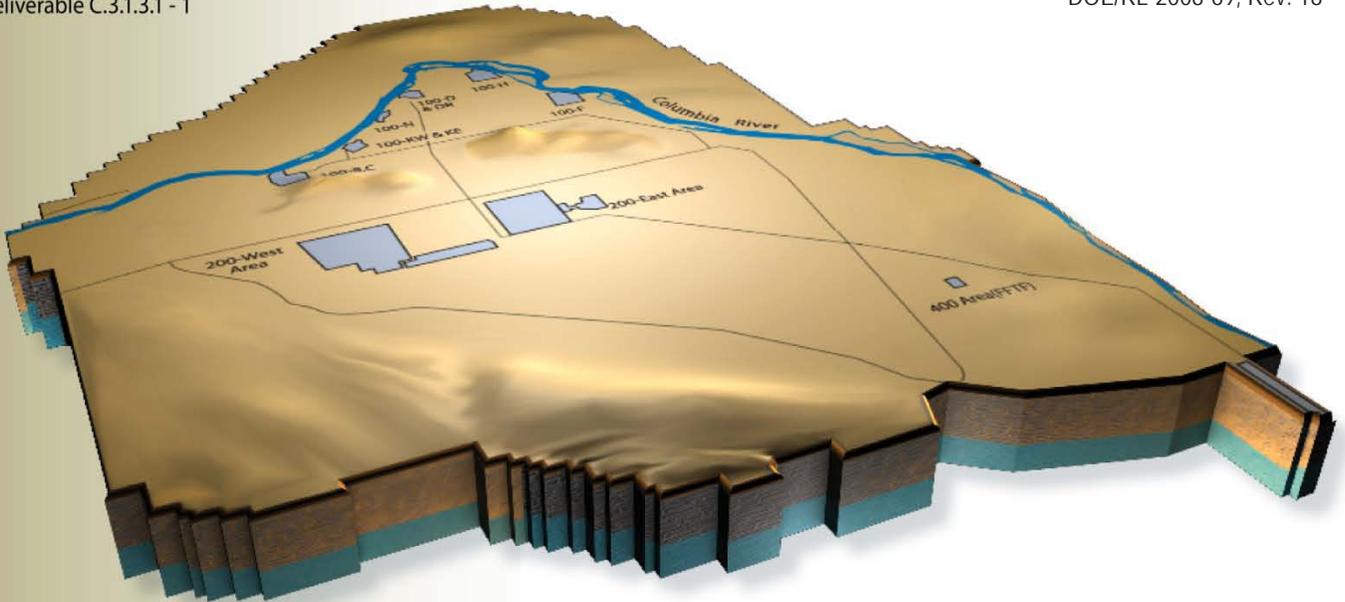


J. G. Lehew
President and Chief
Executive Officer

Monthly Performance Report

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EXECUTIVE SUMMARY

Focus on Safety



Safety, Health, Security, & Quality (SHS&Q) developed the material that was utilized at the All Hands meetings conducted by each project organization. These meetings captured specific lessons learned related to recent CHPRC events. The main theme was “Dealing with Uncertainty” focused on recognizing changing workplace conditions and responding conservatively. SHS&Q personnel participated in or supported each of these project All Hands.

During April, SHS&Q began preparing the summer safety campaign. One of the main themes is recognizing and responding to workplace heat stress. This campaign is modeled after our successful winter safety awareness campaign and will be formally presented at the May President’s Zero Accident Council (PZAC) which will be conducted at this year’s Safety Expo in Pasco. Roll out information will include informational posters, and lanyard cards. New personal protection (physiological) monitoring equipment will be available to projects consisting of heart rate monitors and remote temperature measuring

devices. Projects have been asked to verify that cool down areas, drinking water, misting equipment, etc., are available and operational in affected work areas as the temperature begins to climb. An important note is that heat stress can be a year round concern depending upon the workplace conditions and needs to be appropriately addressed as part of our work planning and hazard identification/control process.

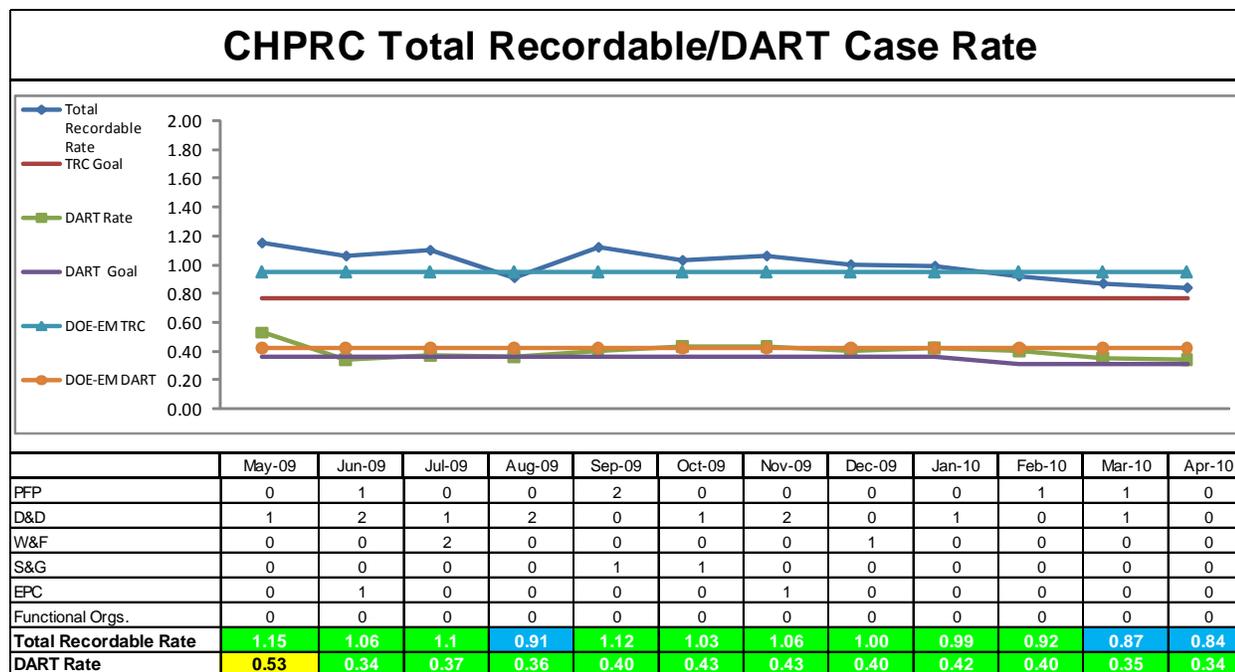
Other significant safety focus areas in April were supporting the Waste Retrieval Project restart activities, working with the Mine Safety Appliances company to develop a nitric acid respirator cartridge, and providing DEET free insect repellent to our workers working outside in response to the West Nile virus concerns. Also, CHPRC supported and participated in the DOE-HQ HSS site beryllium assessment activities in April. *Thinking Target Zero* publications for April included topics on Snake Awareness, Buying Recycled & Biobased, Responding to Odors in the Workplace, Worker’s Bill of Rights, and Stop Work Policy.



TARGET ZERO PERFORMANCE

April 2010

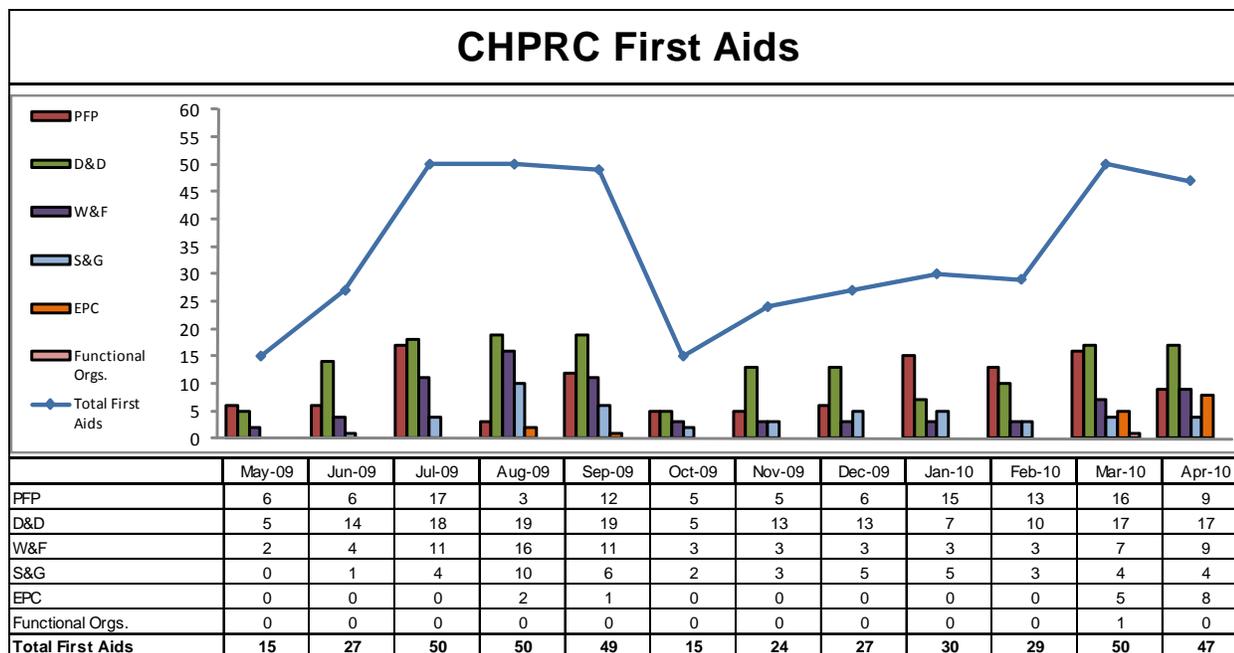
CHPRC continued focusing on integrating safety programs in all program and project areas.



Total Recordable Injury Case (TRC) Rate – The 12 month rolling average TRC rate of 0.84 is based upon a total of 25 recordable injuries for the period. Four cases are 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 0.34 is based upon a total of ten cases. DART rate performance continues with solid and steady performance in the green range. The EM DART rate for CY 2009 equals 0.40.

There were no TRC or DART Cases reported in April.



First Aid Case Summary – Forty seven first aid cases were reported in April. Minor cuts closely followed by strains were the leading injuries during April 2010. In many cases the involved employee struck the injured appendage on a piece of equipment involved in the task the employee was performing causing a minor cut/scratch. Overexertion and slips/trips/falls were involved with nearly 33% of this month's injuries.

PROGRAM SUMMARIES

Safety, Health, Security, and Quality

CHPRC's safety program continues to improve safety performances statistically in TRC and DART rates, running below Environmental Management (EM) calendar year (CY) rates for 2009. Trend analysis of other significant Performance Indicators is improving, with the exception of contamination spread. The upward trend in contamination events was due to glove breaches at the Plutonium Finishing Plant (PFP) and discovery of contamination outside of posted areas at Decontamination and Decommissioning (D&D) project. An evaluation of glove failures at PFP is being performed to determine if changes in work practices or materials are warranted.

CHPRC continues to develop leading performance indicators and is evaluating the effectiveness of the current data presented routinely to senior management.

While the Quarterly Trend Analysis report did not identify recurring events of significance, we remain concerned with fundamental work practices and continue to monitor conduct of work and work practices.

Respiratory protection practices were reviewed as a result of the Nitric Acid exposure event at PFP. In addition to more explicit guidance for selection of engineered controls and personnel protective equipment (PPE) combinations for breach of confinement (both radiological and chemical), CHPRC is working with a filter manufacturer to certify a combo filter for use with nitric acid.

Independent Assessment of the Engineering, Projects and Construction (EPC) organization was conducted to evaluate EPC's implementation of programs, procedures, and policies as they relate to

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.

The EPC management team was very experienced and exhibited a high level of leadership. The EPC organization had programs/processes in place that supported its current mission. Many of these programs were well-documented and maintained, with some being very effective. However, some of the programs reflected the status of a project recently restructured and in the process of going through a transition. As an example, the Emergency Preparedness and Hazards Communication (HAZCOM) programs were not well implemented. Senior management at EPC and the assessment team endorse the need to develop programs and/or improve on the implementation and administrative maintenance for many of its existing programs. While EPC routinely demonstrated the ability to perform work activities in a safe manner, failure to address this issue could limit its performance. As a result of this assessment six condition reports have been entered into Condition Reporting and Resolution System (CRRS).

Environmental Program and Strategic Planning (EPSP)

A site-wide review of underground storage tanks for hazardous waste (RCRA Subtitle C) and regulated substances such as petroleum products (RCRA Subtitle I) was conducted by the Environmental Protection Agency. The list of tanks evaluated included 59 under CHPRC work scope. One issue was noted. The fuel storage tank for the emergency generator at PFP did not have the required overfill prevention device. A field citation was issued which requires the payment of a \$420.00 penalty and corrective action within 60 days.

The annual compliance assessment of the Cold Vacuum Drying Facility (CVDF) was conducted by Washington Department of Health on April 27. The review was very thorough and several documents were reviewed and/or requested. No issues have been identified to date by WDOH. A written report is pending.

Elevated readings for some isotopes data was reported from the near facility ambient air monitoring network. Results from monitors in the 100K area and from a monitor near B-Plant for the second half of calendar year 2009, were higher than historic values. The B-Plant readings appear to be an anomaly, while the 100K data were similar to the first half of the year and were expected due to the D&D activities in the area and the proximity of the monitors to that work. Final approval for re-location of ambient air monitors in the 100K area was received from WDOH. This approval will allow the monitors to be moved away from locations that were appropriate during facility operations but are too close to D&D locations and in some cases within the footprint of areas that may need to be excavated.

RL accepted a revised white paper addressing alternative asbestos management for U Ancillary Facilities demolition work. This will allow CHPRC to demolish facilities with asbestos in place.

A Class I Modification to change the schedule for preparation of the IDF risk budget tool was submitted and approved by Ecology in mid-April. The justification was delay in completion of the TC&WM EIS, and first waste acceptance at IDF currently anticipated no earlier than 2019. This approval allows CHPRC to avoid an unnecessary cost.

Opportunities were identified to achieve a 50% schedule confidence for each PBS for both ARRA and contract life-cycle. Strategic Planning developed a three-year spend plan and manpower projections in support of RL and HQ budget meetings and performed Pertmaster® risk analyses in support of several baseline change requests.

CHPRC completed the 218-W-4B Alpha Caissons Technical Information Report (CHPRC-00585), and issued it on April 19, 2010.

The Remedial Design Report Annotated Outline has been completed and all approvals received, and several others are under review by regulatory agencies and/or DOE.

The Computer-Based Authoring System (CBAS) continues to evolve into an integral tool.

During the month of April, one Independent Assessment, one worksite assessment and the following four surveillances were completed:

- QA-EQA-SURV-10-019, Surveillance of the 100-K and STP: Review planning activities of NEPA values into T-Plant Documents. No issues were identified
- QA-EQA-SURV-10-020, Risk Assessment Modeling: Determine if Modeling Function is in compliance with the EQAPP. Two findings were identified.
- QA-EQA-SURV-10-021, Determine if planning of PCB paint samples complies with procedure GRP-EE-01-2.12. No issues were identified.
- QA-EQA-SURV-10-064, WESF: Review Stack 296-B for compliance with Method 114 (NESHAPS).

Business Services and Project Controls

In April 2010, CHPRC approved and implemented twelve (12) baseline change requests, of which five (5) are administrative in nature and did not change budget, schedule or scope. The remaining seven (7) change requests are summarized in the Baseline Change Requests section of this report.

Property Management initiated the annual inventory of Sensitive Property in February. A total of 4,507 items will be inventoried. As of April 26, 2,851 items or 63% of the items have been verified. There have been no items reported on Loss/Damage/Destruction reports to date. The target for completion of field work for this inventory is July 21, 2010.

Facility Management accepted from construction three of the eight remaining Phase II ARRA Mobile facilities included in the EPC/S&GW Complex.

The Phase III ARRA mobile office project is underway with the procurement of 34 units. Deliveries commenced on April 2, 2010 and 19 units have been delivered as of April 30, 2010. All units are scheduled for occupancy prior to June 30, 2010.

The Phase IV ARRA Mobile office project will provide five (5) additional units for EPC in the 200 East Unsecured Core Area adjacent to the EPC/S&GW complex. The contract has been awarded to Pacific Mobile Structures and manufacturing is underway.

During April, CHPRC Procurement group awarded/amended \$79M in subcontracts to support Base/ARRA acceleration objectives. Record levels of procurement volume have been processed over the first 19 months of the contract (\$1.1B in new awards including \$449 million for ARRA). The inception-to-date procurement volume encompasses 9,500 releases, 5,200 POs, and 84,600 P-Card transactions.

Performance continues to exceed goals in the Disadvantaged Business, Woman Owned and Veteran Owned categories. Total Small Business awards slipped to 48.8% slightly below the goal this month, primarily due to a \$50M ARRA-funded award to a large business. As a result, the percentage of ARRA-funded work increased to 41% of all actions placed since contract inception. Within the ARRA category, 55% of the ARRA awards have been to small businesses.

Breakdown of procurement sources by dollars:

- Over Ninety four percent of total expenditures (\$1.0B) arise from service and staffing Contracts and amendments.
- Over three percent of the reported expenditures are p-card purchases (\$37M).

- Purchase orders for materials and equipment make up less than 2% of the total expenditures.

The CHPRC Procurement Manager led the Procurement System Review of WRPS under the purview of the DOE-HQ's sponsored PERT independent review process. The participation on the PERT executive committee makes the procurement manager the CHPRC SME for the PERT process which assists greatly for the upcoming PERT review of the CHPRC Procurement System Review in May, 2010.

Vendor contact information from the Passport Vendor Database has been combined with Commodity and Manufacturer information to provide Materials Buyers with a comprehensive tool to match appropriate vendors/sources to each procurement action. This tool greatly reduces time spent in developing the Potential Suppliers List for Requests for Proposal.

General Contractor Skanska USA Building Inc. of Seattle, WA was awarded a \$49M contract on April 29 for the construction of the 200W Pump & Treat Facilities. The contract was sent to DOE RL on April 15 for Local and Headquarters consent and approved on April 29. The project includes all construction work for the Pump-and-Treat BIO Process and RAD buildings, interior work for 4 extraction and injection transfer buildings including the installation of all water treatment process equipment. This is the largest CHPRC ARRA funded contract to date.

Material Services resolved an action having to do with purchase of janitorial products and their review by environmental/safety personnel.

Material Services worked with Internal Audit and CHPRC Legal Counsel to conduct a special training class for PCard Approving Managers. Completion of these classes fulfilled a DOE-RL action. PRCMSS was modified to require Engineering approval on an eBOM route list when Quality Level 1, 2, or 3 material is requested.

The SDD-51 on roles and responsibilities between CHPRC and MSA for Spare Parts was finalized. There has been much activity in Spare Parts with respect to HEPA filters during this reporting period, including a new Cat ID and orders for filters at ETF. These are long lead-time items (typically 3-4 months). Due to a consistent failure rate during inspection, the field is ordering ~5% more than needed. AVS and Engineering continue to monitor quality issues.

Interface Management continued to work with MSA on a revision to the CHPRC/MSA Water Systems Administrative Interface Agreement (AIA) to change it into an Interface Control Document (ICD) documenting the details of the boundaries between MSA and CHPRC responsibilities for Hanford site water system tie-ins to CHPRC facilities. The need to have better definition of these boundaries was identified as an issue for the CSB/2704HV water loop which services a combination of CHPRC and WRPS facilities.

Other Interface Management activity in April included:

- Continued support for MSA's development of enhanced Service Delivery Documents (SDDs) for sixty-three services provided by MSA. The enhanced SDDs, which MSA is required to complete, per RL deliverable, by May 15, 2010, are intended to better communicate to end-users of MSA provided services the definition and cost of those services and how to obtain them.
- Providing a recommended response to CHPRC Management to a worker concern related to less than adequate access to vanpooling for daily commutes.
- Development of a new CHPRC/MSA Administrative Interface Agreement for Usage of Non-Regulated "Guzzler" Filter Vacuum Trucks and the Regulated "Guzzler" Filter Vacuum Truck. This AIA was developed on an expedited basis to support CHPRC Construction Forces need for access to MSA managed Guzzlers to support CHPRC work.

- Assisting W&FM Project and S&GWR Project resolve an issue related to continued access to transportation services provided through MSA by commercial trucking companies.
- Developing a draft guide defining roles and responsibilities for acquisition of equipment and vehicles for MSA administered Fleet. The draft guide expands on the CHPRC/MSA Administrative Interface Agreement to clarify when equipment and vehicles are not part of the DOE vehicle ceiling and CHPRC mission unique so that CHPRC can procure them directly.
- Assisting in the development of two Statements of Work required for MSA to give CHPRC Carpenter and Boilermakers access to MSA managed Carpenter and Sheet Metal Shops for performance of CHPRC Base and ARRA work. Access to these shops by CHPRC personnel resolved a long standing issue that had hampered CHPRC work.
- Assisting the W&FM Project on the process to borrow WRPS SCBA units.
- Supporting the EPC-lead Task Team chartered with defining potential near term activities for Phase II of the K-Basins Sludge Project for additional DOE funding. Phase II consists of activities necessary to treat and package the retrieved sludge and transport it to a national repository.
- Supporting development of an REA related to Usage Based Services.
- Working with AMH and MSA on an issue associated with medical professionals referring CHPRC workers to Kadlec Hospital for further evaluation/treatment. CHPRC's policy is that worker and regular government vehicles are not prepared or equipped to provide the proper care should medical attention for a worker become necessary while in route to a hospital. MSA has agreed that when a medical professional refers a CHPRC worker to a hospital, the HFD will provide transportation for the worker. This issue continues to be worked with AMH.
- Participated in the Washington State University (WSU), College of Engineering and Architecture, Department of Mechanical and Materials Engineering (MME) bi-annual two day Advisory Board meeting in Pullman, Washington, as a part of CHPRC's commitment for community involvement and support of education.

Engineering, Projects and Construction (EPC)

A fixed price contract was awarded to Grant Construction for building the Container Restraint System (to be completed in FY 2010).

Project Management support was provided to MSA through the management of six FY 2010 Life Cycle Upgrade projects. This PM support will be transitioned to MSA's newly formed project organization over the next two months.

Central Engineering participated in the In-Process Design Review for the K-East Core Removal Project Preliminary Design. The review, led by CH Nuclear Business Group Chief Engineer David Lowe, was conducted at the SA Technology Loveland, Colorado office. An assessment close out was conducted with the SA Technology project team. A formal assessment report was provided to CHPRC project management.

Central Engineering support in April included:

- Continued to provide technical support to the ARRA facilities projects, including Statement of Work (SOW) review and approval, detailed design drawing checking and approval, calculation preparation, submittal reviews, Facility Modification Packages (FMPs), Design Change Notices (DCNs), Memorandum of Understanding (MOU) review and approval, and field walk downs at the mobile office construction sites.

- Chaired the April 13-15 Energy Facilities Contractors Group (EFCOG) Engineering Practices Working Group (EPWOG) semi-annual meeting. Several DOE headquarters staff made presentations to the group. Topics discussed ranged from Draft DOE Guides (Safety Instrumented Systems, System Design Descriptions, and Fire Protection Program Criteria) to program overviews by DOE HQ senior staff to technical Best Practices for sharing across the DOE contractors' community.
- Routed a letter for RL's approval to implement new seismic response spectra for the Hanford site. This new spectra will satisfy the requirements of DOE-STD-1020-2002 & DOE-STD-1189 and the SCRD O 420.1B Rev. 4, Section E (5) PRC-Natural Phenomena Hazards Mitigation for DOE Facilities.
- Performed a Work Site Assessment of lookalike equipment alerting techniques as they apply to the 2009 edition of NFPA 70E, Standard for Electrical Safety in the Workplace, Article 130.7(E)(4). The assessment involved PFP, WRAP, 100K and T-Plant. Awareness of the hazards associated with lookalike electrical equipment and the measures being taken to control the hazards were determined to be adequate. The assessment conclusions also noted an especially effective good practice being used at 100K and T-Plant and communicated the technique to the other CHPRC Projects.
- Identified an innovative approach to managing Nationally Recognized Testing (NRTL) Laboratory requirements, identified alternate NRTL service providers and has been using them, recognizing a cost savings from the previous provider.

Communications and Outreach

CHPRC Office of Public Affairs supported RL with Recovery Act and Outreach activities throughout the month of April.

Recovery Act support included submission of Recovery Act weekly progress reports, progress videos and newsletter article submissions for HQ. Representatives from CHPRC Communications attended the Recovery Act Information Exchange in Washington, D.C., April 27-28, to share challenges and lessons learned and discuss a path forward for implementing and communicating Recovery Act funding.

Communications published a brochure booklet covering the progress CHPRC has made with Recovery Act funding since April 2009 for distribution to workers and external audiences.

The Society for Environmental Journalists (SEJ) toured the Hanford Site on April 23 and visited the DX Groundwater Treatment Facility, one of two pump-and-treat systems CHPRC is constructing with Recovery Act funding. The SEJ is an organization of journalists with a mission to raise awareness and strengthen news coverage of environmental issues.

Public tours of the Hanford Site began and include a stop at the ARRA-funded 200 West Groundwater Treatment Facility construction site where visitors are briefed about the innovative technologies being used by CHPRC to remediate contaminated groundwater, to strengthen and increase news coverage of environmental issues.

Communications produced the following ARRA videos in April:

- Backfilling of the 212-N, -P, and -R building sites
- Resumed shipments of transuranic waste
- Demolition of the 183KW Sedimentation Basin complex
- Removal of a hood from the Plutonium Finishing Plant
- Profile of the subcontractor Carpenter Drilling
- Remediation of the 216-N-4 waste site.

Other outreach activities included preparation activities for the Central Plateau and Transuranic Mixed Waste TPA Change Packages public comment period (May 3 – June 17).

In April, CHPRC Project Communications moved project communications support out to the field. Three of the four field based Vice Presidents now have a fully integrated Communications Specialist available to help improve communications with the workforce. These specialists will drive safety, worker involvement, community relations and any other communications efforts.

Communications produced a “Dirty Jobs” type video of EPC VP Kent Dorr going into the field to learn to be a pipefitter. Kent spent half a day with a pipefitting crew working with them and discussing any job related issues they might have. This provided an opportunity to recognize a high-performing work crew. The video will be shared with CHPRC workers.

Other Communications support in April included:

- Completed shooting of Soil and Groundwater video highlighting the 200W Pump and Treat Project. This video will be shown on public tours and will be a great tool to explain to the public how groundwater remediation supports DOE’s 2015 vision.
- Wrote, edited and distributed 22 all-employee messages for various departments, projects and initiatives.
- Coordinated the April PZAC meeting by developing the presentation, and providing messaging advice to Safety and the D&D project.
- Partnered with Safety to present an all-hands meeting for PFP, D&D, EPC and Business Services. These meetings included lessons learned from Trench 11, company accomplishments, scope, and an introduction to the employee incentive plan.
- Produced time lapse sequences documenting a glovebox removal at PFP, Demolition at ALE, and the 100DX Pump and Treat facility.
- Wrote the tour script for the 200 West Pump & Treat Facility public tours and provided briefings to four tours which included the public, DOE officials and members of the media.
- Produced the monthly newsletter, On the Plateau, highlighting project and worker accomplishments as well as community involvement.
- Supported CHPRC environmental management efforts by editing, writing, and designing the Green Gazette and a poster campaign focused on alternative transportation, tools used to share environmental objectives with the workforce.
- Supported RL with numerous tours, including congressional staffers, Government Accountability Office, Tribal Officials, Dae Chung, the Principal Deputy Assistant Secretary in the DOE Office of Environmental Management and others.
- Produced a newspaper advertisement for the Small Business Symposium.

PROJECT SUMMARIES

RL-0011 Nuclear Materials Stabilization and Disposition

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

American Recovery and Reinvestment Act (ARRA)

Fifty-six gloveboxes and hoods have been removed from their originally installed locations at PFP with Recovery Act funds. Of these, 47 have been shipped out of PFP for treatment or disposal, with four others loaded and awaiting shipment, and five staged for future size reduction and disposal as Transuranic (TRU) waste. CHPRC has now shipped approximately 1,100 cubic meters of waste from

PPF with support from Recovery Act funds, including 944 cubic meters of low level and mixed low level waste (LLW/MLLW), 127 cubic meters of TRU waste, and 22 cubic meters of non-radioactive waste.

234-5Z Laboratory Areas – The last of the eight gloveboxes and hoods remaining in Rooms 221C and 221D of the Standards Laboratory were removed from building ventilation and prepared for removal from the laboratory. Beryllium clearance samples were taken and analyzed, and the boxes were cleared for release. The first four boxes were transferred to waste operations for packaging and disposal. Process equipment removal continued in the six hoods in Room 139, and preparations continued for cleanout of a glovebox and two hoods in Rooms 180 and 188.

Plutonium Processing Areas – In RMC Line, implementation of the recovery plan and corrective actions for a nitric acid exposure in Room 227 in late April neared completion and work is expected to resume on equipment removal from gloveboxes in May. In addition, preparations were initiated for removal of Glovebox HC-60 and fixative was applied to the interior of the glovebox. In the RMA Line, process equipment removal continued on Gloveboxes HA-28, HA-46, and 400. Non-destructive assay measurements were completed on Glovebox 400, which confirmed that it can be disposed of as low level waste.

Infrastructure Systems – Non-destructive assay (NDA) measurements on the process vacuum system are now over 60% complete. Training and cold area mockups in preparation for removal of process vacuum system piping were completed, and field crew performance evaluations are under way. A portable glovebox for size reduction of long pieces of vacuum piping removed from overhead runs was fabricated and successfully tested in the mockup area.

During the month of April, 890 feet of asbestos insulation was removed, bringing the total for asbestos insulation removed with Recovery Act funds to more than 9,200 feet.

Installation of a large, electrically operated door and cargo seal was completed to streamline receiving of materials and shipment of waste.

Field construction forces removed a section of the former Protected Area fencing and razor wire and began mobilizing for installation of three new 300 ton chillers.

2736Z/ZB Vault Facility - Preliminary survey results indicate the glovebox in Room 636 was successfully decontaminated to Surface-Contaminated Object (SCO) levels. Significant progress was made in disassembly and seal out of process equipment from four of the gloveboxes in Room 642.

242Z – Americium Recovery Facility - The 242Z D&D team completed photographing and inspecting fire systems and removing legacy combustibles from the control room. Planning and preparations continued for future entries into the tank room to remove combustible materials, and for the application of contamination fixative throughout the control room.

Base

236Z – Plutonium Reclamation Facility - Canyon entries to address issues identified during functional testing of the PRF crane have been completed. Process equipment removal continued on the first and second floor east gallery gloveboxes and preparations for removal of the Pulser and Ph gloveboxes.

RL-0012 Spent Nuclear Fuel Stabilization and Disposition

The first pump skid was recovered and repaired by STP Engineering and 100K operations personnel while additional spare pump skids are being fabricated. Approximately 30% of the bulk retrieval of the sludge from the eighth tank (S5) was completed before the pump began to degrade and was taken out of service. The first of two spare pump skids was delivered to 100K and will be installed and the retrieval re-started.

CHPRC Engineering, Projects, and Construction (EPC) Project Review Board (PRB) completed the formal review of the Knockout Pot (KOP) Disposition Project Conceptual Design Review (tailored approach per CHPRC procedure). The PRB Chairperson approved the KOP Disposition Project advancing from the Conceptual Design phase on to the Preliminary Design phase with minor comments/actions.

STP Engineered Container Retrieval Transportation System (ECRTS) project personnel met with RL to discuss final resolution of the RL comments on the ECRTS CD-1 package. There were five out of 57 comments that required additional documentation to resolve the comment. This also supports the DOE Technical Independent Project Review (TIPR) which is scheduled for the first week in May. In addition, the Sludge Transportation Storage Cask (STSC) test article successfully passed both the lift and hydro testing and is ready to support connector remotability tests, planned for next month.

Completed delivery of the superstructure and grating material, for the 100K Basin pool mockup at Maintenance and Storage Facility (MASF) (to replicate the monorail support structure of the basin). The water filtration skid is undergoing Factory Acceptance Tests, prior to delivery to MASF.

RL-0013 Waste and Fuels Management Project

The Waste and Fuels Management Project (WFMP) focused on delivering safe, compliant performance.

ARRA

Weekly and monthly Recovery Act Reporting continued. Shipped 29m³ M/LLW and completed 132m³ of M/LLW waste during the month. TRU Retrieval developed schedule for 3A Trench 8 retrieval and initiated preparation of the Retrieval Plan. Next Generation Retrieval (NGR) completed installation of the support facilities for the Trench Face Retrieval and Characterization (TFRC) system; occupancy is pending completion of identified punch list items. Alpha Caisson Retrieval continued final design of the remote retrieval system and preliminary design of the transfer module, processing cell, and maintenance module. TRU Project repackaged 210 TRU containers, shipped 301 containers, and received 211 containers at T Plant. The Waste Receiving and Processing Facility (WRAP) completed non-destructive examination (NDE) for 374 drums and 379 non-destructive assay (NDA) drums. The Environmental Restoration Disposal Facility (ERDF) container maintenance facility completed construction and turned the facility over to container maintenance operations. In addition, all 14 new roll-on/roll-off-style trucks for transporting containers have arrived on site. The mixed waste disposal trenches received five offsite shipments (27 containers) and shipped two leachate Beall tankers to the Effluent Treatment Facility (ETF).

Base

The WFMP continued maintaining facilities in a safe and compliant condition. The Waste Encapsulation and Storage Facility (WESF) continued support to Energy Savings Performance Contract construction demolition and upgrade activities. The Canister Storage Building completed MHM quarterly interlock checks. The Central Waste Complex (CWC) received 19 on-site transfers (521 containers), three off-site shipments (seven containers), shipped six off-site shipments (45 containers), and 61 on-site transfers (956 containers). Low Level Waste Burial Grounds (LLBG) received the EX-USS South Carolina (Plant 1) Reactor Compartment from the Port of Benton to Trench 94 and placed in final disposition on April 15. The 200 Area Treated Effluent Disposal Facility (TEDF) discharged 55M gallons. Slightly Irradiated Fuel Project awarded George A. Grant, Inc. (general contractor) for Project W-105, Interim Storage Cask Pad #3 (Container Restraint System). The Mixed Waste Disposal Trenches completed the placement of the final six-inch grout lift for waste stabilization on Cells #4 & #10 after a delay pending warmer weather.

RL-0030 Soil, Groundwater and Vadose Zone Remediation

ARRA

ARRA 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 April is summarized in the table below.

Activity	April		Cumulative	
	Planned	Completed	Planned	Completed
Welling drilling	47	30	140	144
Well decommissioning	17	38	104	82
200 West P&T – Final Design	3%	16%	29%	47%
200 West P&T – Construction	1%	3%	10%	9%
200 West P&T – Testing/Startup	2%	1%	12%	12%
100 DX P&T – Construction/Startup	13%	15%	52%	70%

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 April include the following:

- 238 well locations were sampled with a total of 1,048 samples being collected
- 96 aquifer tube samples were collected from 29 tubes at 16 sites
- 10.1M gallons groundwater treated by ZP-1 treatment facility
- 20.7M gallons groundwater treated by KX treatment facility
- 8.6M gallons groundwater treated by KW treatment facility
- 11.7M gallons groundwater treated by KR-4 treatment facility
- 5.5M gallons groundwater treated by HR-3 treatment facility
- 0.84M gallons groundwater treated by DR-5 treatment facility

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

ARRA

Completed U Plant Ancillary facilities asbestos abatement in 224U and 224UA. Final preparations to begin demolition are in progress.

The 212-N/P/R building areas were backfilled and contoured and demobilization activities were completed. The final report is being prepared.

Completed lower Arid Lands Ecology (ALE) structures demolition. Completed Cold & Dark utility isolation and demolition preparation activities on six upper ALE structures. Debris pile sites cleanup activities are continuing.

Equipment size reduction activities are continuing for U Canyon following crane repairs of the electrical collectors

Completed cold and dark utility isolation activities on three buildings for the 200E Project and completed demolition preparation activities on five structures.

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 21,800 tons of soil in April; approximately 25.5 acres of BC Control Area, Zone A, have been cleared to date. In Zone B, approximately 850 acres have been radiologically surveyed. Excavation at one CW-3 waste site (216-N-4) continued with approximately 6,700 tons of soil removed during April. Sampling/surveys have been completed on eleven MG-1 sites. Initial excavation for MG-1 site 600-40 was completed and initial verification samples were collected. Completed U Plant Ancillary facilities asbestos abatement in 224U and 224UA. Final preparations to begin demolition are in progress.

The 212-N/P/R building areas were backfilled and contoured and demobilization activities were completed. The final report is being prepared.

Completed lower Arid Lands Ecology (ALE) structures demolition. Completed Cold & Dark utility isolation and demolition preparation activities on six upper ALE structures. Debris pile sites cleanup activities are continuing.

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Base

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

Implemented a Baseline Change Request for disposition of the D-10 tank in Cell 30 for movement to T Plant.

RL-0041 Nuclear Facility D&D, River Corridor

ARRA

Facilities

Work continued on 105KE Reactor Disposition preliminary design, core removal characterization (core boring), and regulatory documentation. Hazardous material removal started in March with asbestos set-up beginning in April. Demolition activities will start in May with the removal of MO872.

Continued final disposition characterization at 115KE (Gas Recirculation Building); asbestos removal (decontamination) was completed.

Continued demolition preparation activities on 117KE (Exhaust Air Filter Building).

Continued asbestos removal in the 1706KE (Radiation Control Counting Laboratory) and 1706KER (Water Studies Recirculation Building) below-grade levels.

Continued demolition of 183.2KW (Sedimentation Basin).

Began demolition of the 183.3KW (Sand Filter).

Began characterization and deactivation of the 183.1KE (Head House).

Waste Sites

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

Waste Site	April 2010		FYTD (9/28/09 – present)	
	Tons	Loads	Tons	Loads
UPR-100-K-1 (aka 100-K-42)	0	0	9,320	640
100-K-3	0	0	5,507	392
100-K-56	895	51	7,352	528
100-K-71	1,937	134	4,975	344
100-K-47	5,627	370	10,945	759
100-K-53	0	0	0	0
116-KE-3	455	32	888	62
100-K-68	2,893	173	2,893	173
Sites near 183.1	0	0	0	0
100-K-102	4,604	266	4,604	266
Totals	16,411	1,026	46,484	3,164

Work has been suspended on UPR-100-K-1 pending D4 performing the work of scabbling the diversion wall and breaking the remainder of the floor.

The 100-K-53 pipelines were tapped and residual glycol removed earlier. Pipe materials were size reduced and staged in the excavation for future load out.

Remediation near the 183.1KW Head House commenced. Adjoining sites were excavated as one excavation. The waste was staged to determine if treatment is required for disposal. The excavation was completed to remove the structure associated with the sites. Preliminary samples were taken of the staged waste piles to determine if treatment is required for disposal. Arrangements were made with ERDF for wastes to be treated at ERDF if required.

Excavation was initiated at 100-K-102, which is a recently discovered mercury contaminated site adjacent to the 183.2KW Sedimentation Basin wall. The contamination was deeper than anticipated. Removal of this waste is necessary to progress D4s efforts of removing the 183.2KW.

Other

Received Sludge Vacuuming Final Safety Analysis Report (FSAR) approval from RL to begin K West Basin Sludge vacuuming. Sludge vacuuming should begin in K West Basin East Bay mid-May with a targeted completion date of September 30, 2010. Continued debris removal from the K West Basin; over 610 units removed to date.

The 100K Area River Water Isolation, Electrical Power Isolation, and the K West Basin Airborne Contamination Remediation Projects have awarded all construction contracts. Construction has started on the new potable/service water line inside the 100K Fence and 100K import water line. Installation of ducting material at the K West Basin is continuing. Fabrication of the Pall Microfiltration Unit is complete; fabrication continues for the Air Handling Units/HEPA filtration skids. The off-site fabrication of the skid-mounted substation continues. Completed mobilization and started off-site fabrication for the Water Treatment Building and Dual-use Water Tank.

Base**Facilities**

Initiated characterization and deactivation on 110KW (Gas Storage Facility) and 115KW (Gas Recirculation Building) which will be removed as one action.

Deactivation was initiated on 117KW (Exhaust Air Filter Building).

Accelerated the 118KW (Horizontal Control Rod Storage Cave) from FY 2011. Characterization was initiated. Deactivation was also initiated and is anticipated to complete mid-May.

Characterization and decontamination were both initiated on four buildings which will be removed as one entity. They are the 1717K (Maintenance Transportation Shop), 1717AKE (Electrical Shed), 1724K (Maintenance Shop) and 1724KA (Storage Shed).

Deactivation of 1705KE (Effluent Water Treatment Pilot Plant) was completed; demolition will occur concurrent with 165KE in late FY 2011.

Completed characterization of the 183KE (Chlorine Vault) and initiated deactivation.

Completed 183.5KW and 183.6KW (Lime Feeder Buildings) demolition.

Characterization and deactivation were initiated on four K West mobile offices to be removed as a group (MO236/MO237/MO323/MO955).

Waste Sites

Completed excavation of 100-K-4 Remove, Treat, and Dispose site in February. Verification samples indicated chemical contamination above the lookup values. Additional laboratory and data and risk analysis is being performed to determine if additional excavation is required.

Waste Site	April-2010		Cumulative (9/28/09 – present)	
	Tons	Loads	Tons	Loads
100-K-4	0	0	2989	209

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. Due to a failure of deep well pump P-16, water is being supplied by a back-up deep well pump P-14. Repair parts for deep well pump P-16 are projected to arrive during the month of April after which repairs will be scheduled. All scheduled annual surveillances were conducted during the month of March. Deficiencies identified during the surveillance are being evaluated and prioritized for resolution.

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**

- Administrative controls restricting additions to the tank were implemented to place the tank into compliance with over-fill prevention requirements specified in Washington Administrative Code 173-360-305. This addressed an EPA inspection citation of the PFP Underground Storage Tank (2721-Z-2) for a legacy issue originating at the time of tank installation many years ago.

11.05 Disposition PFP Facility - Base

Plutonium Reclamation Facility (PRF)

- Process equipment removal from the first and second floor east gallery gloveboxes continued and is approximately 25% complete.
- The canyon crane repairs were completed and the crane returned to service.
- The cleaning of the canyon floor was initiated. This included functional testing of the vacuum cleaning system and initiation of disposition of combustible waste.
- A decision was made to proceed with a Contractor Readiness Assessment for the size reduction of the pencil tanks. Preparation activities have been initiated and key documents prepared.
- Work continued on the preparations for the removal of the Pulser, pH, and maintenance gloveboxes.

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

- In RMA Line Room 235B, a new end panel was installed on Conveyor HA-28 and the size reduction and removal of 140 feet of conveyor chain were completed. Size reduction and removal of the conveyor guide rails and supports was initiated.
- In RMA Line Room 232, the size reduction and removal of the internal process equipment for Glovebox HA-46 was started and was approximately 80% complete by the end of April.
- In RMC Line Room 227, the D&D team developed recovery plans for an occurrence resulting in a worker inhalation of nitric acid fumes while isolating external lines to Glovebox HC-227S.
- In RMC Line Room 230C, Glovebox HC-230C-2 was removed and removal actions for Glovebox HC-60 were initiated.
- In the RADTU area, Room 235D, size reduction and removal of the internal process equipment for Glovebox 400 was started and is approximately 90% complete.

234-5Z Laboratories

Standards Lab:

- The last of eight gloveboxes and hoods remaining in the Standards Laboratory were removed from building ventilation and fixative was applied to the interiors.
- Four of the gloveboxes and hoods were removed and turned over to PFP Solid Waste Operations (SWO) for packaging and disposal.

Analytical Lab:

- The 136-1, 2, 3 gloveboxes were separated from building ventilation and staged for removal.
- The 148-1, 2 Hoods had fixative applied to internal surfaces, the hoods were separated from building ventilation, and turned over to SWO for disposal as Low Level Waste (LLW).

Plutonium Process Support Lab:

- The 191-1, 2, 3 hoods had fixative applied to their internal surfaces; the hoods were separated from their E4 connections and were turned over to the SWO organization for disposal as LLW.

242Z – Americium Recovery Facility

- Photographed the control room fire suppression system for fire department inspection.
- Began taking photographs in the control room to document legacy combustible control removal.

2736Z/ZB – Vault Complex

- Radiological surveys were performed and initial analysis indicates Glovebox 636 has been successfully decontaminated to SCO levels. Preparations were initiated toward separation of the glovebox from building ventilation.

- Significant progress was made in disassembly and removal of process equipment from four gloveboxes in Room 642.
- Progress continued on development of the implementation plan to transition the PFP vault complex buildings to the D&D DSA and TSRs.

RL-0012 Spent Nuclear Fuel Stabilization and Disposition

Sludge Treatment Project (STP)

- STP revised the following documents to address DOE Safety & Environmental Division (SED) comments: 1) *Determination if a New Transportation Safety Document is Necessary for the Transportation of the K-East Engineered Container Sludge*, PRC-STP-00213, Rev 1, and 2) *Sludge Treatment Project – Engineering Containers Transportation Safety Documentation Plan*, PRC-STP-00200, Rev 2.
- CHPRC met with RL Transportation Safety to gather information to define a potential alternative to the baseline package configuration and transportation authorization documentation for shipment of the K East sludge to T Plant.
- The Fuel-Special Packaging Authorization (F-SPA) Shipping Evaluation Checklist and supporting analyses for shipment of Settler Tank sludge samples were submitted to RL Transportation Safety on March 26 for approval.
- The Hazards Screening Checklist for removing the filters from SCS-CON-230 (Settler Tank Sludge Engineered Container [EC]) was completed with a determination that any “release is below the Hanford Site dose criterion for classification as an Alert”. Emergency Preparedness has reviewed the checklist and analysis and has concurred with the conclusion.
- A contract has been placed to support the preparation of a Statement of Work for the conceptual design of an Alternate Interim Storage (AIS) option for the EC sludge.
- STP and 100K Operations personnel reviewed ECRTS and KOP arrangements within the basin and no significant problems were identified.
- A target inventory of material needed to supply physical simulants to the selected Phase 2 – Technical Evaluation testing vendors has been completed. All bulk materials are available. Minor quantities of organic ion exchange media and a stand-in for the Zeolite are required to be procured. PNNL has started a production run to produce a 50/50 mixture of Uraninite/Metascheopite to simulate the uranium oxide present in the K Basin sludge material. This mixture is a key part of the uranium bearing simulant PNNL will be shipping vendors for proof-of-principle testing.
- Property transfer for the 22L mixer-dryer and supporting equipment has been completed from ORP to CHPRC and the loan to Impact Services has been approved.
- *Data Quality Objectives for Characterization of the KW IWTS Garnet Filter Media*, HNF-45802 was approved and issued on April 26.

RL-0013 Waste and Fuels Management Project

ARRA

13.01 Project Management

- Training continued for the ARRA funded staff
- Continuing weekly and monthly ARRA reporting

13.02 Waste Encapsulation and Storage

- Disposition of cesium/strontium capsules
 - Completed development and submittal of technical input for cesium and strontium capsule dry storage in the *Environmental Impact Statement for Retrieval, Treatment, and Disposal of Tank Waste and Closure of Single-Shell Tanks at the Hanford Site, Richland, WA* (TC&WM EIS)

13.04 Mixed Low Level Waste (MLLW) Treatment

- Shipped 29m³ of ARRA funded MLLW to treatment facilities, and completed 132m³
- Public comments on the “P015 Drum” Site Specific LDR Variance were dispositioned and the WDOE is preparing the final approval documentation.
- M-91-42 TPA:
 - 25.7m³ shipped and 52.9m³ completed during month
 - 8,184m³ shipped and 8,081m³ completed since January 2003 (Base & ARRA)
- M-91-43 TPA:
 - 13.6m³ shipped and 5.2m³ completed during month
 - 707m³ shipped and 667m³ completed since January 2003 (Base & ARRA)

13.05 TRU Retrieval

- Continued work on Retrieval Corrective Action Plan to address hazard identification & control, and event response improvements.
 - Performed operational drills
 - Conducted training on new/revised procedures, Industrial Hygiene sampling, use of metal detector, and acceptable walking paths
 - Closure of independent review and senior management/RL is in process
- Issued 3A Trench 17 Retrieval Plan RP-1
- Revised and issued work packages for repairing 3A Trench 17 Fiberglass-reinforced plywood (FRP) boxes and removing roof/walls/inspecting Box 82
- Completed subsurface survey around 3A Trench 17 Boxes 13-23
- Continued 4B Trench 11 Recovery Plan to obtain SUMMA canister samples from site of 2/4/10 event and provide basis to move the exclusion area to the trench boundary.
- Developed schedule for 3A Trench 8 retrieval and initiated preparation of the Retrieval Plan.
- Dismantled 4C Process Area tent and began transporting components out of 4C.
- Next Generation Retrieval (NGR)
 - Installed the ANTECH Neutron and Gamma assay trailers.
 - Installed the RapidPort® Drum Venting Station.
 - Satisfactorily completed the Drum Warming Unit factory acceptance test.
 - Completed installing the support facilities for the Trench Face Retrieval and Characterization (TFRC) system; occupancy pending completion of identified punch list items.
 - Issued the Trench Face Process System (TFPS) procurement specifications.

- Alpha Caisson Retrieval
 - Completed draft Fire Hazards Analysis (FHA)
 - Finalized optimization study recommendations and forwarded to design contractors for integration into the designs; ~\$7M savings.
 - Issued expression of interest on the Remote Retrieval System; to date four contractors have requested bid documents.
 - Continued development of Baseline Change Request to align planning with Conceptual Design Report.
 - Continued final design of the remote retrieval system and preliminary design of the transfer module, processing cell, and maintenance module.

13.06 TRU Repackaging

- 216-Z-9 Repack Campaign – Successfully configured a mock-up drum of repackaged 216-Z-9 waste. Mock-up drum X-rayed by CCP the inner can venting process was approved and will be incorporated into the repack process.
- Completed qualifications for the last group of new NCO's achieving the goal of four fully-qualified repack lines operating at T-Plant.
- Repacked 187 drums at T-Plant
- Completed repairs to the Empty Drum Compactor and compacted 210 containers
- Shipped 301 containers from T Plant
- Received 211 containers at T Plant
- Shipped eleven LLW drums to ERDF
- Shipped one empty roll off box to ERDF

13.07 Waste Receiving and Processing Facility (WRAP)

- Non-destructive examination (NDE) 374 drums
- Non-destructive assay (NDA) 379 Non-WIPP drums
- Received 37 drums from the Plutonium Finishing Plant (PFP)
- Continued OJT/OJE for TRUPACT II, NDE, NDA, Shipping/Receiving for nuclear chemical operators (NCOs)
- Supported annual visit from Los Alamos National Laboratory-CO to review Hanford's Comprehensive Inventory Database (CID). Only minor comments were received.

13.10 ERDF Additional Capabilities

- Issued the Management Assessment of the container maintenance facility
- Operations are preparing to begin routine container maintenance activities at the facility beginning with gasket replacement on several of the roll-off containers
- All 14 of the new roll-on/roll-off style trucks are onsite

13.15 TRU Disposition

- Allocated 90 SWBs from Next Generation Retrieval to TRU Disposition to support SWB over pack loading for WIPP Shipping; Notice of Potential Change for SWBs submitted to the DOE Contracting Officer.
- Delivered 734 boxes of records to WIPP Records Holding area
- CCP Support:
 - Supported CCP's CBFO/NMED and EPA audits
 - Public Release process: clearing documents on schedule at rate of 150 a week

13.21 Mixed Waste Disposal Trenches

- Shipped one leachate Beall tanker to ETF
- Received ten offsite shipments, 43 containers

Base**13.02 Capsule Storage & Disposition**

- Waste Encapsulation and Storage Facility (WESF)
 - Continued support to Energy Savings Performance Contract construction demolition and upgrade activities

13.03 Canister Storage Building

- Completed initial personnel qualification on Multi-Canister Overpack Handling Machine (MHM) Fall Protection practical training
- Completed MHM quarterly interlock checks

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

13.08 Central Waste Complex (CWC)

- Completed six off-site shipments, 45 containers
- Completed 61 on-site transfers, 956 containers
- Received 19 on-site transfers, 521 containers
- Received three off-site shipments, seven containers
- CWC presented Polyurea application onto Fiberglass Reinforced Package (FRPs) containers to the first CHPRC Joint Evaluation Team (JET) which included DOE. Presentation to determine what level of start-up readiness to perform for start of Polyurea onto FRP boxes. DOE will evaluate and notify CHPRC at a later date if DOE agrees with the JET to perform a Management Assessment.
- CWC worked three swing shifts to accept road closure shipments from offsite generators. Worked one swing shift and graveyard to perform fire watch on panel in 2403-WC. Worked two OT shifts to support Ground Water by removing a portion of East fence, prepare a pad for a future well site, and install new fence around the well site.
- On three occasions CWC staffed the Incident Command Post (ICP) due to liquids within CWC buildings to assure scope and actions were within the scope of the CWC MD for “Verification and Sampling of Liquid in the CWC Buildings.”
- Low Level Waste Burial Grounds (LLBG)
 - 218-W-5 – Mixed Waste Trench 34 – Completed the placement of the final six inch grout lift for waste stabilization on Cells number #4 & number #10, delay was due to waiting for warmer weather.
 - 218-W-3AE – Completed the back fill to grade over Trench16
 - 218-E-12B – Received the EX-USS South Carolina (Plant 1) Reactor Compartment from the Port of Benton to Trench 94 and placed in final disposition on April 15.
 - 218-E-10 – Working with Balance of Site to survey E10 with Rad Rover Tractors to determine extent of conditions in attempt to mitigate contaminated areas/tumbleweeds and to eventually turnover E10 burial ground to BOS. Entire South side is completed; North side will finish in May.

13.11 Liquid Effluent Facilities

- Received (April) 65 tankers; (90K gallons)
- Treated (April) 2.6M gallons
- 200A Treated Effluent Disposal Facility (TEDF) discharged (April) 55M gallons
- Received ERDF leachate (75K gallons) at LERF Basin 44
- Received 50k gallons of modu-tank wastewater to LERF Basin 44
- Shipped 80 powder drums to ERDF
- Received eight drums of Waste Sampling and Characterization Facility wastewater
- Pumped 18 customer wastewater drums into the concentrate tanks
- Maintenance activities
 - Replaced Thin Film Dryer (TFD) distillate heat exchanger
 - Repaired cooling water blow-down pump (95C-P-2)
 - Replaced temperature element in TFD room
 - Completed Department of Transportation running gear inspection for 3 tankers
 - Performed inspection of rotor on TFD vessel
 - Completed installation of new PC5000 Leak Detection System [Washington River Protection Solutions (WRPS) ARRA-funded]
 - Completed repairs to Pump Station #3, Pump 60I-P-A1
 - Completed installation of scaffold and repaired plugged line on concentrate P-4 loop
 - Completed repairs to chemical addition pumps 65C-P-8 and 65C-P-9
- 310/340 Facilities
 - Completed Operability Acceptance Testing; working punch list items
 - Operating the Retention Transfer System (RTS); 14 batches (421k gallons) discharged to City of Richland
 - Continued performing preventive maintenance (PM) activities at 310/340 for systems that will remain active after turnover (HVAC, fire, and compressed air)

13.12 Integrated Disposal Facility

- Maintained the facility in a safe and compliant condition

13.16 Off Site Spent Nuclear Fuel (SNF) Disposition

- Slightly Irradiated Fuel (SIF)
 - Construction contract for Project W-105, *Interim Storage Cask Pad #3 (Container Restraint System)*, was awarded to general contractor George A. Grant, Inc.

13.21 Mixed Waste Disposal Trenches

- Maintained the trenches in a safe and compliant condition

RL-0030 Soil and Groundwater Remediation

EPC Projects in Support of S&GRP - ARRA

- The 200W Area Pump and Treat Project began focused reviews of BIO and RAD drawings to support construction activities, all 90% design drawings anticipated completion June 2010. Thirty-four road crossings have been completed. Welding activities for the transfer piping continued. Construction on the 4-BOP transfer buildings started; Engineering has released all drawings and specifications for construction of the four BOP transfer buildings. DOE approved contract for Skanska through DOE HQ.
- The 100-DX Pump and Treat construction is 70% complete. The final two Ion Exchange Skids were received on May 5, 2010 and all six skids have been moved inside the Treatment building. All PVC piping inside the M1 Transfer building is complete. All the vertical transfer, feed, and

booster pumps are installed and anchored. Final tie-ins at the power poles are planned for after equipment installation is complete. Mechanical equipment installation is 75% complete, electrical installation is 50% complete. Electrical well racks are complete at nine extraction well sites. The 100-DX chemical treatment system civil/structural subcontractor completed concrete pours for the acid/caustic sump floors. Forming for sump walls and bases for the chemical tanks was initiated.

EPC Projects in Support of S&GRP – Base

- Work continues on the Phase 2 realignment of the KR4 and KX pump-and-treat systems. 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.
- MSA Transportation Services group initiated necessary road improvements to allow safe access to the 100-HX construction site. A design/build specification and RFP were issued for competitive bid for the 100-HX Treatment Building and construction of chemical treatment structures on May 4, 2010. A Statement of Work was issued to FFS Construction and pricing requested for initial outside scope (road crossings, HDPE pipe, power cable, and electrical racks).

Environmental Program and Strategic Planning - Base

The TPA Change Packages reflecting the Central Plateau Cleanup Strategy Tentative Agreement have been sent out for public review, with the comment period ending on June 30, 2010. Preparations are underway to support the public review process and supporting the project in developing implementation plans consistent with the strategy.

Risk and Modeling Integration Group

Vadose zone models in support of the groundwater protection calculations for the 200-PW-1/3/6 OU (three cross sectional models) have been completed. Alternatives evaluation calculation briefs for the 200-UP-1 FS report were finalized. Local capture zone model for B/BX/BY plumes have been finalized and presented to RL.

Revised the draft document DOE-RL-2007-34 (STOMP justification for the Hanford Site) and the plan for SIM 2005 release update to incorporate new information for PFP waste streams, tank leak update, and other new information.

Supported RL in developing responses to GAO interrogatories on modeling software management and its use

Presented the graded approach for groundwater protection demonstration to EPA and Ecology.

Environmental Data Management

Sample Data Tracking Re-design (SDTR) Accelerated Project Plan has been drafted and sent to the customer for review and comment. The plan identifies new software modules to be included in the SDTR that are to be put on a fast track for early deployment. Sampling requirements are doubling due to increased work load especially from ARRA funding.

Well Drilling and Decommissioning – ARRA

	April		Cumulative	
	Planned	Completed	Planned	Completed
KR-4 RI/FS	2	0	2	0
100-NR-2 Barrier Emplacement	14	23	66	94
100-HR-3 H Area RPO	15	0	29	12
100-HR-3 D Area RPO	10	6	23	24
100-HR-3 RI/FS	1	0	1	0
200-BP-5 “K” Well	1	0	1	1
00-BP-5 “L” and “M” Well	0	0	2	2
200-ZP-1 West P&T Expansion 01.11	0	0	6	6
200-ZP-1 West P&T Expansion 01.12	2	0	4	0
M-24	2	1	2	1
100-BC-5 RI/FS	0	0	4	4
Drilling Total	47	30	140	144
Decommissioning Total	17	38	94	82

Notes:

- *100-HR-3 H Area:* Subcontractor did mobilize in April after Eagle Nesting
- *200-ZP-1 Expansion:* Currently, 12 of 17 wells have been initiated. Additional drill rigs mobilized to recover schedule.

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

- The approved Rev. 0 versions of the 100-BC Operable Units RI/FS Work Plan Addendum and the associated SAP were transmitted to RL on April 27, 2010.
- Planning continues for recently approved RI/FS work plan field-investigation activities. This field work will support the development of the RI/FS Report and Proposed Plan that are due November 30, 2011 under TPA target milestone M-15-68-T01. In support of this effort, the first round of spatial and temporal groundwater sampling from existing wells for 100-BC will be initiated in May. Additionally, well-drilling contractor bids have been submitted and will be evaluated in early May.
- The final summary report for the 100-B-27 excavation-site field sampling activities was approved, released, and issued on April 7, 2010.

100-KR-4 Operable Unit - Base

- The monthly monitoring of cultural resources in the KR-4 Operable Unit occurred April 16, 2010. No problems were observed.
- Phase 2 realignment construction actions were completed at the KX system and acceptance testing is approximately 90% complete. Open items remaining include Wi-Fi outages interfering with wireless communications with extraction wells 199-K-153, 199-K-171, and 199-K-178.
- Average flow through the KR-4 Operable Unit pump-and-treat system during the month of April was approximately 970 gpm, or 88% of treatment capacity. Continued acceptance testing of KX pump-and-treat components impacted by Phase 2. The KW and KR4 pump-and-treat systems are operating at capacity (i.e., 200 and 300 gpm, respectively). The KX pump-and-treat system was operating at reduced capacity with intermittent outages to extraction wells 199-K-153, 199-K-171, and 199-K-178 for acceptance testing.

- The archaeological survey for three remedial investigation wells in culturally sensitive areas was completed on April 9, 2010 and a draft report was provided to RL on April 23, 2010 for comment.
- RL comments incorporated into the draft revision to the KR4 pump-and-treat system cultural treatment plan (DOE/RL-96-44) and being prepared for issuance. This revision was conducted with consultation with Tribal Nations and revises the 1996 plan to include updated information about cultural and historic resources in the 100-K Area (and vicinity), as well as updated information about the ongoing groundwater remedial actions in the area.

100-NR-2 Operable Unit - Base

- The NR-1/2 OU Proposed Plan to Amend the Interim ROD was reviewed again by both Ecology and EPA. A meeting is scheduled with RL and the regulatory agencies on May 7, 2010, to finalize the document to Rev 0. An expedited schedule is being followed to meet a goal to have the IROD amended by September.
- The Draft B 100-N Operable Units RI/FS Work Plan Addendum and associated SAP documents were submitted to Ecology on April 21, 2010, meeting the 60-day turnaround time deadline of April 22. These documents are currently under Ecology review.
- Draft A of the 100-N Integrated Sampling and Analysis Plan was provided to RL for subsequent submittal to Ecology alongside the 100-N RI/FS Work Plan Addendum and SAP.
- Core samples collected (as part of the 171 well drilling campaign) in February to support evaluation of the Jet Injection were analyzed by Pacific Northwest National Laboratory (PNNL). All results are being incorporated into a final test report, which is being drafted.
- As of April 30, 2010, groundwater samples have been collected from 21 of the newly completed and accepted 171 wells, and additional GW sampling will continue.
- The Draft A Treatability Test Plan (TTP) for allowing the future apatite PRB expansion activities was transmitted to RL on April 28, 2010, for subsequent submittal to Ecology. The TTP is currently under Ecology review. The injection-system fabrication continues along with additional planning activities.
- Total petroleum hydrocarbon (TPH) studies are continuing with Pacific Northwest National Laboratory (PNNL) as planned. This work has been extended to summer 2010 to allow results from recently collected groundwater samples (collected from 21 new wells installed along the TPH portion of the river shoreline as part of the 171 well drilling campaign) to be included into the study. Additionally, samples were collected on April 23, 2010, from the TPH bio-sparging wells (prior to full-scale operation of the bio-sparging system; a WCH project) to further support this study.

100-HR-3 Operable Unit - Base

- HR-3 operated at near normal levels as the H Area aquifer test continued. Two Ringold Upper Mud (RUM) wells are being reconfigured for long-term operation as extraction wells. Until these modifications are completed, the HR-3 system will run in its pre-test configuration. 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.
- DR-5 recommenced operations after a deep regeneration of all four ion exchange vessels. The earlier exceedances of the discharge criteria were a result of heavy chromium loading in the ion

exchange media. This will be prevented in the future by additional use of regeneration chemicals and a more frequent regeneration schedule.

- Design activities continued on the HX pump-and-treat facility, with a 30% design review scheduled for May 18, 2010. The SHPO Notice to Proceed was received from RL on April, 27 2010.
- A Treatability Test Plan is being prepared to support design testing of in-situ bioremediation within the area of the southern D “hot-spot” plume. Meetings were held with RL, Ecology, and EPA to present the approach for the test. Useful feedback was provided guide development of the treatability test plan required by newly approved TPA Milestone M-015-115. Design efforts continue, with a 30% design delivered on April 23, 2010.
- The transitional-stage spatial and temporal groundwater sampling event was completed, and aquifer tubes were installed as part of the RI activities at 100-D and 100-H.

100-FR-3 Operable Unit - Base

- The 100-F & IU-2/6 Operable Units RI/FS Work Plan Addendum and associated SAP (Rev. 0) were finalized and approved by RL and EPA on April 12, 2010.
- Planning is underway for RI/FS work plan field-investigation activities. This field work will support the development of the RI/FS Report and Proposed Plan that are due November 30, 2011 under TPA target milestone M-15-64-T01. As part of this effort, the first round of spatial and temporal groundwater sampling from existing wells for the IU-2/6 OUs was initiated, and as of April 30, 2010, a total of 33 of the 35 IU-2/6 wells have been sampled. The 100-F portion of the spatial and temporal groundwater sampling will be initiated in May.

300 FF-5 Operable Unit - Base

- The RI/FS Work Plan and SAP Rev. 0 were signed on April 8, 2010. Drilling is scheduled to begin on May 5, 2010. The PNNL tracer infiltration study was not successful after three attempts; alternatives are being evaluated for presentation to EPA. An engineered lithology is being emplaced at the bottom of the existing excavation at 618-1 in May and will be used in subsequent treatability test plans to evaluate remediation technology delivery mechanisms.

Central Plateau

200-UP-1 Operable Unit – Base

- Continued extraction system design for remediation of the Tc-99 plumes in the vicinity of Waste Management Area (WMA) S-SX. Reached concurrence with DOE on a three-well 80 gpm system.
- A meeting has been scheduled for May 17, 2010 with Ecology to review the U Plant extraction well cleaning effort and status the S-SX extraction system design effort.
- Continued preparation of the 200-UP-1 OU RI/FS report.

200-BP-5 Operable Unit – Base

- A meeting was held April 20, 2010 with Tribal, ODOE, DOE and EPA representatives to review the final draft of the 200-BP-5 conceptual model report and facilitate comments/feedback on the report. The written comment period was extended to May 4, 2010. Lab analyses for K, L and M well samples are complete.
- The sampling of all 14 wells, planned for depth discrete groundwater sampling, was completed. Lab analyses of samples continue.

200-PO-1 Operable Unit - Base

- Completed the DOE review of the decisional draft 200-PO-1 Groundwater OU RI Report, DOE/RL-2009-85. DOE comments have been dispositioned and are in the process of being incorporated to produce the Draft A.

200-ZP-1 Operable Unit - Base

- Ten of the 14 groundwater extraction wells are on line pumping water at a rate of approximately 206 gpm. Extraction well 299-W15-44 is offline as it is in the process of being replaced by new extraction well 299-W15-225. 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 ETF. A reduced flow rate is required for the next month or two to allow ETF to drain one of their other basins which is full.
- The Decisional Draft Remedial Design Report is current with RL for review and comment. This report was written based on the 90% design that was approved by EPA.
- Drilling and sampling of nine permanent extraction/injection wells is complete. Initiated drilling of three new FY 2010 extraction wells. Two of these wells have reached total depth and are currently being completed. The third well is at a depth of 269 feet.
- EPA comments have been received on the Draft A Performance Monitoring Plan and are currently being addressed.
- Subcontractor has mobilized to the field to support the hookup of the new ZP-1 extraction well 299-W15-225 (EW-1).
- Currently preparing two separate test plans to support laboratory testing of a variety of resins for uranium removal, as well as the testing of activated carbon as a less expensive way of removing Tc-99 from groundwater, as opposed to using resins.
- The Operations and Maintenance Plan for the 200-West Area Groundwater Treatment Facility has been issued to RL for transmittal to EPA for review. EPA comments are due back on May 14, 2010.

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

- PW-1 active SVE operations continue.

Regulatory Decisions and Integration - Base

- The Tentative Agreement that provides the decision document framework for making cleanup decisions in the Central Plateau was signed in late March 2010. In accordance with this agreement and based on DOE's Contracting Officer letter (10-PRO-0214), work has stopped on the decision documents that are not part of the new framework and a proposal is underway to align the Performance Management Baseline to the new framework.
- Received DOE comments on the 200-CW-5 Feasibility Study Draft C and resolution is underway.
- Analysis of the Tier I samples is complete for the K, L, and M wells. Tier II sample analysis by PNNL continues for these wells.
- Ecology comments on the U-8 and U-12 SAP were received on April 2, and the response was transmitted to Ecology on April 30, 2010.

- EPA requested an additional 30 days to provide comments on the 200-MW-1 FS. The new anticipated date to receive comments is May 17, 2010.
- The groundwater modeling technical basis document (RAGS 34) completed internal review and is scheduled to be delivered to DOE the third week in May.
- A subcontract was awarded to HGI to perform electrical resistivity study at the U-8 and U-12 cribs.
- Finalization of the NRDWL/SWL closure NEPA EA is expected to be completed and public comment initiated in mid May.
- Completed soil sampling of 200-CW-1 Outer Area Ponds and Gable Pond pipeline.
- Subsequent RL comments on the submitted West Lake Draft A SAP to RL are being resolved and incorporated prior to transmittal to Ecology for comment.
- Completed 200-MG-1 Action Memorandum for 37 waste sites in the Outer Area.
- Resolved RL's comments on the Closure Plan and SAP for the Hexone Storage and Treatment Facility and preparation of the Draft A document is underway.
- Completed Quarterly Burial Ground Sampling and Analysis Report for the period of January to March, 2010, per TPA Milestone M-91-40 Requirements.

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 following summarize key accomplishment for April:

- Drilling of the 20 boreholes needed for instrumenting and logging for the pilot test was completed in April. This includes ten (10) four inch boreholes for logging and ten (10) six inch instrumented boreholes.
- Field work for the 13.8 KV power supply to the BC Cribs Desiccation Pilot Test area continued in April. MSA performed the 13.8 line modifications in the field. The remaining work includes installation of two additional power poles and associated lines and transformers to the test site. This will operate the three phase 480 volt equipment used in the pilot test. Field work for the electrical upgrade will be completed in May.

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

ARRA

- U Plant Regional Closure Zone (U Ancillary Facilities D&D)
 - Continued demolition preparation activities in 224U and 224UA.
 - Completed asbestos abatement activities in 224U and 224UA.
- U Canyon Demolition and Cell 30 Disposition
 - Equipment size reduction activities continue with 85% of the large items dispositioned.
 - Implemented the Baseline Change Request for the disposition of Cell 30.
 - A Statement of Work (SOW) has been placed for the cask needed to ship the T-10 tank to T Plant.
 - Significant repairs were made to the bridge crane electrical system.
- 212-N/P/R Buildings D&D
 - Completed backfill and contour of all three footprints. Response Action Completion Report (RACR) for building removal has been prepared and routed through internal review. Comment resolution is underway. RL review and comment period to follow.
- 200E Project
 - Began 209E characterization and Cold and Dark planning activities. Started asbestos abatement in 272E.

- 200-CW-3 Waste Sites
 - Excavation of the second remove, treat, and dispose (RTD) site (216-N-4) continued in April. Approximately 19,300 tons of soil has been removed and transferred to the Environmental Restoration Disposal Facility (ERDF).
 - Preparation of the response action completion documentation for waste site 216-N-1 is underway.
- ALE D&D
 - Completed demolition activities on the lower ALE facilities.
 - Completed asbestos abatement activities on Upper ALE facilities.
 - Continued debris pile removal on lower ALE.
 - Completed demolition preparation on six upper ALE facilities.
- BCCA Waste Site Remediation
 - Remediation using super dump trucks continued with approximately 100,000 tons cumulative to date of soil removed and transferred to ERDF.
 - As a result of the helicopter survey and on-going radiological surveys per the Multi-Agency Radiation Survey and Site Investigation Manual (MARSSIM), approximately 850 acres in the 6.7 square miles Zone B have been radiologically surveyed.
- MG-1
 - Analysis of sampling data for 600-51 indicates RTD is not required. Closure documents for site 600-51 have been prepared and undergone internal review. Comment resolution is in progress with RL review targeted for the second week of May.
 - Waste site closure documentation for 200-E-101 was completed, submitted to RL for approval.
 - Initial excavation for site 600-40 was completed and initial verification samples were collected; the samples are being analyzed.
 - The Action Memorandum (AM) for the next MG-1 sites was approved April 15, 2010. The Remedial Action Work Plan (RAWP) was updated to include the 37 waste sites added with the approved AM, and provided to RL for informal review. RL comments received informally on April 29. Sampling Analysis Plan (SAP) has been similarly revised and is in internal review, with RL review planned for May.
 - Site 600-218 Confirmatory Sampling No Further Action (CSNFA) sample results indicate RTD is required. Additional sampling was performed to evaluate the extent of RTD. RTD planning is in process. Cultural review is underway.
 - Verification sampling of site 600-36 was performed in February to determine whether remediation was complete. Subsequently, additional excavation and sampling have been performed. The latest post-RTD sampling results for site 600-36 indicated that additional excavation is still required.
 - CSNFA sampling of site 600-262 was performed at depth utilizing an auger. Sampling analysis indicates that no further field activity is required.
 - Sampling of the CSNFA site 600-38 was completed with results indicating RTD will be required. RTD design and planning are underway.
 - The Sampling Instruction (SI) was issued for site 200-W-33 and sampling was performed on March 16, 2010. Sample analyses indicate that RTD is required.
 - Confirmatory sample instruction for 216-S-26 was prepared.
 - The SI was issued for site 600-37 and sampling is ongoing.

RL-0041 Nuclear Facility D&D, River Corridor

ARRA

Facilities

- Continued design, project definition, and pre-characterization work of 105KE Reactor Disposition. Deactivation work was completed.
- 105KE Reactor core boring started in April with an estimated completion of mid-May. Asbestos and glycol removal also began in April.
- The 115KE (Gas Recirculation Building) final characterization report should be issued in early May after the hazards review board on radiation control samples is completed. Asbestos work was completed. This building will be demolished after 116KE.
- The 116KE (Reactor Exhaust Stack) demolition explosives contract was awarded, and the demolition work package was initiated. Explosive demolition is planned for June/July.
- Demolition planning for the 117KE (Exhaust Air Filter Building) continues. This building will be demolished after 116KE.
- Below-grade asbestos removal continued in the 1706KE (Radiation Control Counting Laboratory) and 1706KER (Water Studies Recirculation Building). The -13 foot and -27 foot floors are being worked, using conventional asbestos bagging where possible and mini-enclosures where the asbestos is particularly difficult to remove. In 1706KER, three cells are complete and the fourth is in process.
- Below-grade demolition of the 183.1KW (Head House) is on hold as adjacent waste site remediation is in process. Once the adjacent waste sites are remediated, the remainder of the below-grade demolition can be performed.
- Demolition continues on 183.2KW (Sedimentation Basin) floor removal. The west floor is removed, and the east floor should complete demolition in May. The 183.2KW walls adjacent to the 183.1KW and 183.3KW will be removed concurrent with removal of those facilities, to ensure structural integrity throughout the demolition process. The concrete rubble is being stock-piled alongside the excavation. The stockpiled concrete will be utilized as clean fill at U Plant (originally the concrete was slated for disposal at ERDF). This saves space in ERDF and avoids U Plant having to procure clean fill. A baseline change request will be processed to remove the ERDF budget from the baseline.
- Glycol removal is progressing well. Glycol has been removed from most 100K facilities, with only six facilities (115KW, 165KE, 165KW, 167K, 105KE and 105KW) remaining to be drained.
- Began demolition of the 183.3KW (Filter Basin), which will allow the end wall of the 183.2KW to be simultaneously removed towards the end of June.
- Demolition of the 183.7KW (Tunnel) will commence once 183.3KW nears completion.
- Began characterization and deactivation of the 183.1KE (Head House). Deactivation will complete after major electrical and water system upgrades are completed this summer.

Waste Sites

- Remediation continued on waste sites within 100K Area. Production rates increased significantly due to increased crew sizes and increased experience on the jobsite. There is also increased contaminated soil to clean as overburden soil ratios have been higher than anticipated. This caused more waste disposal than planned. Additionally, the Waste and Fuels Project has made the necessary adjustments to their systems to allow the migration from 20 gross tons per container (container + waste) to 25 net tons of waste to be loaded and shipped for disposal, greatly increasing efficiencies.

Other

- Started installation of the interior ducting for the K West Basin Airborne Contamination Remediation Project. Fabrication of the Air Handling Units/HEPA filtration is continuing. The procurement of components and fabrication of the skid-mounted mobile substation continues; mobilization will begin in May. Trench excavation and conduit installation started on the A-9 Switchyard. Started field work on the 100B import water line and initiated excavation on the fire loop system. Fabrication of the Pall Microfiltration Unit is complete. Off-site fabrication for the Water Treatment Building and Dual-use Water Tank has started.
- Completed the remaining 60 of 285 units of the second Debris campaign, and completed 130 of 550 units of the final Debris campaign for a total of 610 units removed to date. Received the Sludge Vacuuming FSAR approval from RL to begin sludge vacuuming.

Base**Facilities**

- Initiated characterization and deactivation on 110KW (Gas Storage Facility) and 115KW (Gas Recirculation Building) which will be removed as one action. Both buildings were accelerated from FY 2011.
- Placed the 116KW (Reactor Exhaust Stack) effort on hold after risk analysis indicated that explosive demolition near the 105KW Reactor Building had a slight potential to drop the stack too near the reactor.
- 117KW (Exhaust Air Filter Building) was accelerated from FY 2011. Deactivation initial walk-downs have occurred.
- 118KW (Horizontal Control Rod Storage Cave) was accelerated from FY 2011. Characterization was initiated. Deactivation was initiated and should complete in mid-May.
- Deactivation of 1705KE (Effluent Water Treatment Pilot Plant) was completed when nearby facilities were placed in cold and dark. No further action will be taken until late FY 2011 when demolition of 165KE (Power Control Building) begins, as the two facilities share a common wall.
- Characterization and decontamination were both initiated on four buildings which will be removed as one entity. They are the 1717K (Maintenance Transportation Shop), 1717AKE (Electrical Shed), 1724K (Maintenance Shop) and 1724KA (Storage Shed). New shops are being centrally built in the 200 Area to house those crafts in the out years.
- Diesel generators in the 182K (Water Reservoir Pump House) will be removed and shipped mid-May which completes the above-grade demolition and load-out. 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 summer and the 183.4KE clear well water and this pump well is drained.
- Completed characterization of the 183KE (Chlorine Vault). Deactivation, and the demolition work package, both began.
- Completed 183.5KW and 183.6KW (Lime Feeder Buildings) demolition and load-out, performing the demolition on weekend overtime shifts.
- Leased facility MO872 (Radiation Control Trailer) was disconnected and will be moved out of the 105KE Reactor vicinity in mid-May. New phone/power drops will be installed at its new location on the South edge of 100K.

- Leased facility MO873 (Craft Trailer) was disconnected. Surveys found potential contamination in the HVAC, so the HVAC will be replaced in mid-May and the old HVAC appropriately disposed of. This trailer will be relocated to the 200 Area around the end of May.
- Characterization and deactivation were initiated on four K West mobile offices to be removed as a group (MO236/MO237/MO323/MO955). Personnel will move into other offices, accelerating this demolition work from FY 2012.

Waste Sites

- Excavation is complete on 100-K-4 (Group 2 Waste Site) and pending data evaluation.

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. Plans to ready the PFP complex for demolition rely heavily on decontamination of the majority of gloveboxes and hoods to low level waste, followed by direct disposal at the Environmental Restoration Disposal Facility (ERDF).

Corrective Action – Additional testing of the Aspigel® product to determine its suitability for use as a supplemental decontamination agent has been completed. A final report has been received from Fauske and Associates, and the test results are promising. PFP Engineering is finalizing a technical basis document for incorporating the use of Aspigel® in the PFP decontamination process and a hazard analysis is scheduled to be completed in May. Demonstration of another product, DeconGel, is planned at 100K Area in May or June.

Issue Statement – Implementation procedures for the SCO process at PFP have limited the utilization and effectiveness of this program.

Corrective Action – Regulations and policy associated with this process are being reviewed to determine a path forward that will allow full utilization of the SCO process. Changes to the implementing procedure are in progress, with completion planned for July 2010. In the meantime, the Contaminated Equipment – Special Package Authorization (CE-SPA) process has been successfully applied to authorize transport and disposal of three gloveboxes as low level waste which slightly exceeded SCO survey criteria. A broader CE-SPA is under development for use in the future to authorize transport/disposition of other gloveboxes that meet the criteria of the CE-SPA.

RL-0013 Waste and Fuels Management Project

Issue Statement – Retrieval Operations stand-down was directed due to week of 2/1/10 events in 4B Trench 11.

Corrective Actions – Develop Retrieval Corrective Action Plan (CAP).

Status – Excavation and removal activities on hold until hazard identification & control, and event response improvements have been completed which impacts retrieval volume targets and milestones.

Issue Statement – Contract issues with AREVA delayed start of preliminary design for Alpha Caisson Project Waste Processing System.

Corrective Actions – Evaluate schedule crash/fast-track options to not impact critical path for Project. (October 2010)

Status – Potential four-week Project schedule impact.

RL-0030 Soil & Groundwater Remediation Project

Issue – The NRDWL and SWL Closure Plans have been delayed. Public review of these documents continues to be impacted by delays in completion of the Environmental Assessment (EA).

Corrective Action – Work with RL to accelerate completion of the NRDWL/SWL EA. Following public review of the NRDWL/SWL EA, the closure plan can begin public review (see status).

Status – The regulatory path forward for the SWL Closure Plan has been resolved. Workshops with Ecology and EPA appear to have resolved comments on the combined NRDWL/SWL Closure Plan. The revised document will be sent to Ecology for their approval. A meeting has been scheduled with RL for May 6, 2010 to resolve any remaining comments on the EA before finalization, which will support a public review scheduled in mid-May. The public review period for the EA has been determined to be 30 days.

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

Issue Statement – Determination of a disposition path for the D-10 tank in Cell 30 has potential to be major impact on the U Canyon disposition schedule.

Corrective Action – A BCR was developed and approved to remove the D-10 tank to T Plant.

Status – The BCR was approved this month.

Issue Statement – The contamination in BC Control Area is more wide spread and deeper than indicated in the Engineering Evaluation/Cost Analysis.

Corrective Action – CHPRC is utilizing overtime and preparing a baseline change request.

Status – BC Control Area remediation is continuing.

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 (soil associated with the 105KE Fuel Storage Basin leak) is much higher than anticipated. The significance of this higher-than-anticipated contamination is that the work must be conducted under nuclear hazard category three controls, productivity will be at a diminished rate, and a larger volume of contaminated soil will need to be removed.

Corrective Action – Mitigation of the issue tied to higher than anticipated contamination levels has not been resolvable to date. Efforts are underway to improve 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 currently assessing the options for removing the significant contribution of contaminants associated with the discharge chute. Work is on hold until an appropriate path forward is determined.

Issue Statement – Necessary clean-up of contamination spread during basin removal was not anticipated. Impacts have not been fully assessed because D4 has not completed demobilization. Additional quantities of contaminated materials have been encountered.

Corrective Action – Add additional cover to areas contaminated by D4 equipment staging and decontaminate as the areas become available. Those covered area soils are being excavated and shipped for disposal. This volume and schedule will be included into the BCR/REA process associated with the UPR-100-K-1 issue above or subsequent BCR/REA as needed.

Status – Some of the exhumed volume has been captured under a proposed BCR. The remainder must wait until D-4 complete decontamination of equipment and relinquishes the remaining area for remediation. Work in progress.

Issue Statement – Approximately ten new sites have been discovered where radiological or chemical contaminants are being found above cleanup standards.

Corrective Action – Two sites were added as part of the Performance Measurement Baseline, Rev. 2; the remainder, along with any future sites, will be added to the contract via the request for equitable adjustment process. Additional sites will be added via BCR/REA processes as they are encountered and defined.

Status – BCR/REA processes continues.

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 – BCR/REA processes continues.

Issue Statement – The 100K Utility Projects are behind schedule. Late release of design criteria to support subcontractor bid proposals has resulted in a three-month delay in off-site design and fabrication of the Mobile Substation and Water Treatment System.

Corrective Action – Award contracts and mobilize field work as soon as practicable. Address needed design changes to relocate the 13.8KV power re-route poles and routing of underground conduit due to radiation zone postings.

Status – The Mobile Substation contract was awarded in March. The contract for 13.8kv power re-route was awarded in April and mobilization is in progress. Completion of re-route field work is expected in July.

Switchyard design and modifications progressed in April with the fabrication and installation of the Oil Circuit Breaker Lifting Devices. Installation of transformers for the mobile substation is expected in August.

The contract for the Dual Water Tank and Water Treatment System was awarded in April. The foundation design and delivery of the building and materials are expected in May. Completion of field work is expected in July.

Design and procurement is complete for the water supply line. Installation of the water supply line inside the fence started in April.

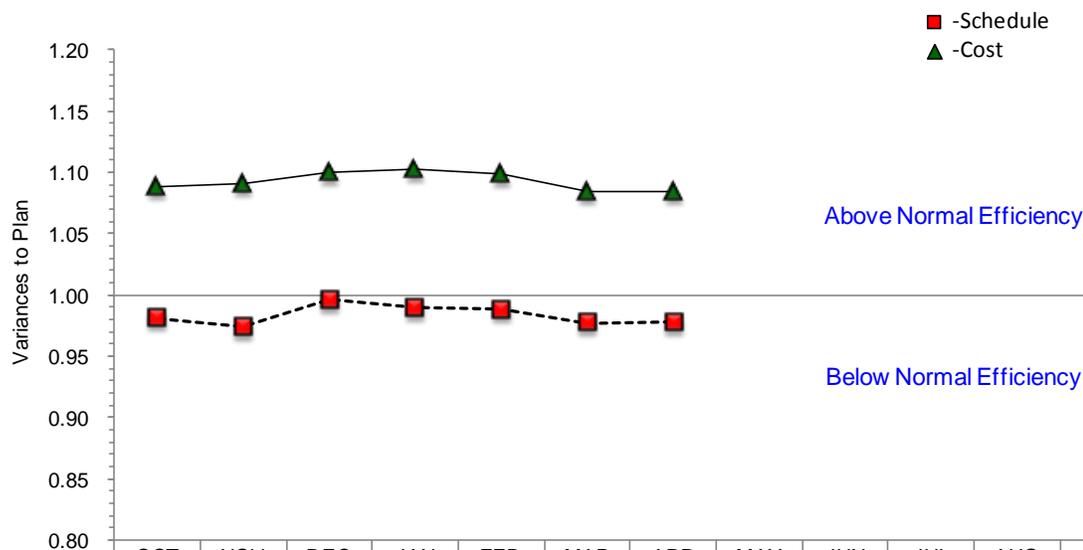
The 230KV Surge Arrestors, 230KV Voltage Transformers, and 230KV and 15KV Switches for Skids are expected for receipt inspection in May. Delivery of the second transformer is expected by September.

The microfiltration unit is expected in May.

Installation of the water supply line outside the fence has been delayed by the Cultural /Ecological review. Completion of field work is expected in June.

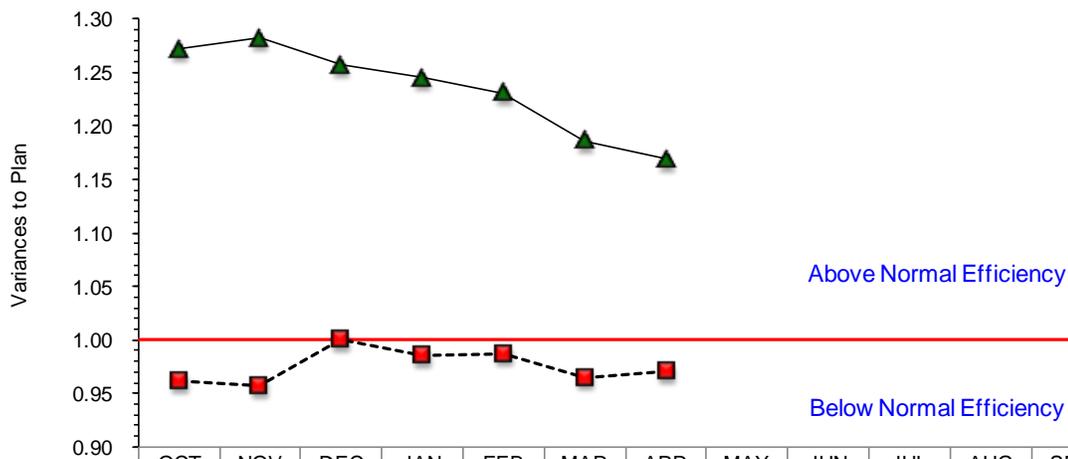
EARNED VALUE MANAGEMENT

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					
MONTHLY CPI	1.12	1.12	1.20	1.14	1.05	0.91	1.08					
--■-- CTD SPI	0.98	0.97	1.00	0.99	0.99	0.98	0.98					
—▲— CTD CPI	1.09	1.09	1.10	1.10	1.10	1.08	1.08					

Schedule and Cost Performance - ARRA

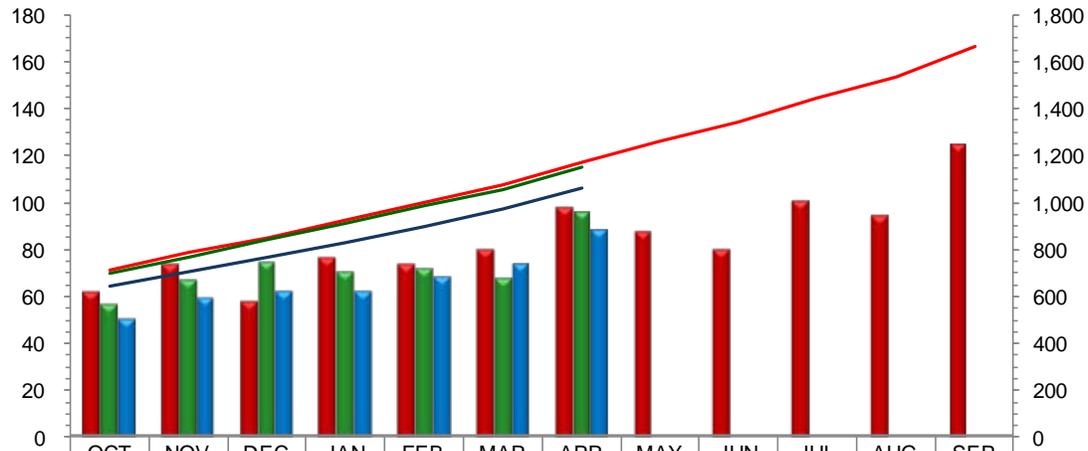


	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MONTHLY SPI	0.92	0.93	1.39	0.90	1.00	0.81	1.01					
MONTHLY CPI	1.40	1.33	1.12	1.17	1.14	0.89	1.07					
--■-- CTD SPI	0.96	0.96	1.00	0.99	0.99	0.97	0.97					
—▲— CTD CPI	1.27	1.28	1.26	1.25	1.23	1.19	1.17					

Schedule and Cost Performance

Bars: Current Month (\$M)

Lines: Contract To Date (\$M)

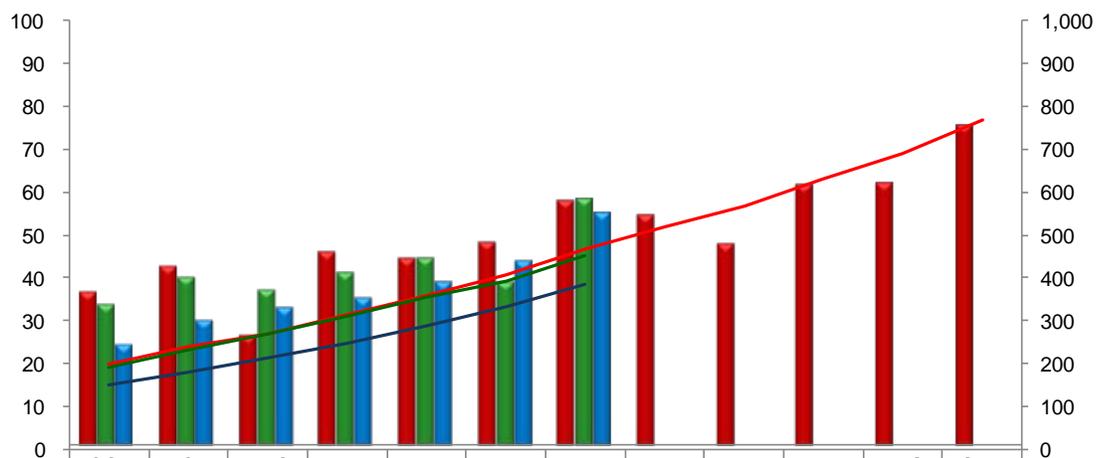


	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MONTHLY BCWS	62.1	73.4	57.7	76.8	73.7	80.0	97.6	87.6	80.0	100.3	94.6	124.4
MONTHLY BCWP	56.4	66.6	74.7	70.6	71.7	67.4	95.9					
MONTHLY ACWP	50.3	59.6	62.1	62.0	68.4	73.9	88.5					
CUMULATIVE BCWS	715.5	788.9	846.7	923.5	997.2	1,077.2	1,174.9	1,262.5	1,342.4	1,442.7	1,537.3	1,661.7
CTD BCWP	701.8	768.4	843.1	913.7	985.4	1,052.8	1,148.7					
CTD ACWP	644.8	704.4	766.5	828.5	896.9	970.8	1,059.3					

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	54.5	47.8	61.8	62.1	75.3
MONTHLY BCWP	33.9	39.9	37.1	41.3	44.5	39.1	58.5					
MONTHLY ACWP	24.3	30.0	33.1	35.1	39.0	43.9	54.8					
CUMULATIVE BCWS	198.2	241.1	267.7	313.7	358.4	406.8	464.8	519.3	567.1	628.9	691.0	766.3
CTD BCWP	190.8	230.7	267.8	309.0	353.6	392.6	451.1					
CTD ACWP	150.0	179.9	213.1	248.2	287.2	331.1	385.9					

Performance Analysis – April

ARRA Performance by PBS (\$M)

	Current Period				
	Budgeted Cost		Actual Cost ACWP	Variance	
	BCWS	BCWP		Schedule	Cost
RL-0011 - PFP D&D	12.0	10.2	11.5	(1.8)	(1.3)
RL-0013 - MLLW Treatment	2.1	2.8	3.2	0.7	(0.4)
RL-0013 - TRU Waste	10.1	12.6	10.5	2.6	2.1
RL-0030 - Soil and Groundwater	10.5	11.9	8.2	1.4	3.7
RL-0040 - U Plant/Other D&D	7.0	7.2	6.7	0.2	0.5
RL-0040 - Outer Zone D&D	2.2	3.1	4.3	0.9	(1.1)
RL-0041 - 100K Area Remediation	14.1	10.7	10.5	(3.4)	0.2
Subtotal	58.0	58.5	54.8	0.5	3.7
Fee			0.0		
Total			54.8		

ARRA

The Current Month favorable Schedule Variance (+\$0.5M/+0.9%) reflects:

- The RL-0013 positive variance (+\$3.3M) reflects the following subproject performance:
 - RL-0013 MLLW Treatment variance is within reporting thresholds due to the receipt of final ERDF transport trucks scheduled for prior months, partially offset by less than planned MLLW shipments due to the delay in receipt of waste from the Retrieval Project and delayed procurement of a Large Type A container due to lack of qualified suppliers.
 - RL-0013 TRU Waste variance is due to the recovery of understated prior period Next Generation Retrieval training and site preparation activities and a realignment of retrieval metrics to reflect impact of unknown item in Trench 10; partially offset by a delay in hiring/training for TRU Characterization due to delays in the initiation of full Central Characterization Project (CCP) characterization program.
- The primary contributors to the RL-0030 positive variance (+\$1.4M) that exceed reporting thresholds are as follows:
 - 200-ZP-1 Operable Unit (+\$2.3M) due to the implementation of BCR-R30-10-001R0 (200-ZP-1 Incorporated Project Final Design). With the implementation of this BCR, the cumulative BCWS through April 2010 decreased from \$13,043K to \$10,949K, resulting in a positive point adjustment that led to the current month positive schedule variance.
 - 100 HR-3 Operable Unit (+\$0.6M) due to installation of equipment inside the DX process and transfer buildings ahead of schedule.
 - Ramp-up and Transition (-\$1.6M) The Soil & Groundwater building concrete foundation which was placed in February 2010 required removal and replacement. The foundation had been installed incorrectly due to misinterpretation of drawings; continuing contractor staffing issues on the EPC1 shop construction activities; and delays in finalizing layout of Phase IV mobile

units. The project team meetings have taken place and corrective actions identified to avoid further slips.

- The RL-0040 positive variance (+\$1.1M) reflects the following subproject performance:
 - ARRA RL-0040.R1.1 U Plant/Other D&D – The 209E Project (-\$0.2M) is slightly behind due to issues with Bio-Hazard and Radiological contamination issues, offset by a positive variance for U Canyon due to implementing the Baseline Change Request in April (+\$0.4M) and U Ancillary Project has been able to make-up schedule delays (+\$0.1M).
 - ARRA RL-0040.R1.2 Outer Zone D&D – Due to implementation of baseline change requests BCR-R40-10-005R0 and BCR-R40-10-007R0, which related to BCCA and 600 Area Old Central Landfill (600 OCL) (+\$1.4M) and delays in the start of design for the barriers over 600 Central Landfill and the Non-Radioactive Dangerous Waste Landfill (NRDWL) pending agreement on the closure plans (-\$0.6M); also, the ALE Facilities (-\$0.2M) are behind due to the delayed start for the 614 Building demolition which is offset by the 212NPR Project (+\$0.2M).
- The RL-0041 negative variance (-\$3.4M) is due to the following:
 - 100K Area Project (Facilities and Others) (-\$2.9M) – The positive schedule variance is K West Deactivation (+\$2.3M) due to removing easier, smaller debris units first. The Debris Disposition project has experienced staff members (the baseline assumed a staff that would not be experienced in debris removal operations, so a learning curve was built into the schedule). 105KE Reactor (+\$0.2M) positive schedule variance is due to implementation of BCR-PRC-10-024R0 moving activities from ARRA to Base. This is offset by overruns in Utilities (-\$4.4M) where award of several contracts was delayed due to late release of design media for contact bid proposal submittals, Facilities (-\$1.0M) due to placing demolition of the 183.1KW Head House on hold until the adjacent waste site is remediated, 183.2KW Sedimentation Basin floor being stock-piled instead of disposed of in ERDF, and 115KE/117KE being re-prioritized for demolition after the 116KE stack.
 - Waste Sites (-\$0.5M) – The negative Waste Site schedule variance is accounted for as the site is yielding more contamination than planned, closure documents are not being prepared and issued on time, and wastes requiring staging for sample results and laboratory data are not available on time. The previous month showed -\$0.6M schedule variance primarily due to unavailability of access to waste sites. For recovery of schedule, selective overtime is being worked to regain additional schedule, document preparation is being expedited, and consideration of WBS changes for more accurate reporting is being considered.
- The RL-0011 negative variance (-\$1.8M) is due to the following variances that exceed the reporting thresholds:
 - (-\$0.7M) 234-5Z Process Facility and Labs – Room 227 emergent scope related to recovery actions from a nitric acid inhalation, lower than expected decontamination effectiveness, and HA28 Glovebox in Room 235B work delays due to a number of false Continuous Air Monitor (CAM) alarms. It is expected that these schedule delays will not be recovered until the end of the fiscal year.
 - (-\$0.5M) Facility Modifications – Project delays associated with completion of chiller design, lack of engineering resources associated with alternate exhaust system design and installation. Chiller schedule recovery is expected to occur by the middle of June. The recovery plan for the alternate exhaust system work scope is being evaluated and a recovery schedule is being developed.

- (-\$0.4M) Balance of 234-5Z – Unplanned mock-up work was necessary to improve assurance of the proficiency of work crews to maintain contamination control to support process vacuum piping removal. Expected schedule recovery for process vacuum piping – October, 2010.
- (-\$0.2M) 2736Z/ZB – Work package priorities and engineering paperwork 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.

The Current Month favorable Cost Variance (+\$6.7M/+6.3%) reflects:

- The primary contributors that exceed reporting thresholds to the RL-0030 positive variance (+\$3.7M) are as follows:
 - 200-ZP-1 Operable Unit (+\$1.7M) Efficiencies experienced during construction of road crossings and the installation of HDPE transfer piping. The project was able to take performance for completion of several road crossings in April that were near completion in March.
 - 100 HR-3 Operable Unit (+\$1.6M) Efficient performance of work during installation of equipment inside the DX process and transfer buildings. The DX project continues to underrun and a positive cost variance is expected at project completion.
 - Well Drilling (+\$0.5M) NR-2 well drilling efficiencies are being realized with the drilling subcontract by using faster and less expensive well drilling technology (sonic drilling). Savings are achieved in the well drilling activities as well as the corresponding support cost.
 - Ramp-up and transition (-\$0.3M) Result of an over accrual by two of the trailer supply vendors. No impact to total contract completion cost.
- The RL-0013 positive variance (+\$1.8M) reflects the following subproject performance:
 - RL-0013 MLLW Treatment variance is within reporting thresholds due to higher costs for ERDF maintenance facility due to additional safety and environmental requirements; partially offset by efficiencies in the disposal of 435.1 Compliance waste.
 - RL-0013 TRU Waste – TRU Retrieval performance allocation taken for previous months' engineering and planning support costs for Restart activities, and efficiencies in training; partially offset by continuing to incur increased allocation for additional office space as a result of increased ARRA expenditures, and unaccrued costs for prior work for Next Generation RH Waste Retrieval System design.
- The RL-0011 negative variance (-\$1.3M) is due to the following variances that exceed reporting thresholds:
 - (-\$0.4M) D&D Project Management – Time card corrections, and increased craft walk-in resources to support cross-cutting D&D functions.
 - (-\$0.4M) G&A/DD – Overhead allocations directly related to the PRC accounting practice of distributing cost based on the Project's actual cost (i.e., Project Services Distribution, G&A, and Direct Distributables).
 - (-\$0.3M) 234-5Z Process Facility and Labs – Progress was negatively impacted in April by a nitric acid inhalation event, false CAM alarms, and insufficient craft resources while labor costs for the teams remain relatively constant.
 - (-\$0.3M) Facility Modifications – Early receipt of Chillers impacted by delay in design and ability to begin installation as planned. Recovery is expected in May.
 - (-\$0.1M) Balance of 234-5Z – Expended resources to support unplanned mock-up simulations rather than removing process vacuum piping.
 - (+\$0.2M) 242-Z – Time card corrections for RCTs in training who were assigned to D&D field work scope and utilization of overtime to maintain schedule.

- Recovery – this negative cost variance is not expected to continue to grow as more efficiencies are recognized during execution of D&D work scope.
- The RL-0040 negative variance (-\$0.6M) reflects the following subproject performance:
 - ARRA RL-0040.R1.1 U Plant/Other D&D – The U Ancillary Project current month overrun of (-\$0.6M) is due to using more resources than planned to recover schedule and inefficiencies related to delays from respirator operation issues and new scaffolding requirements. Also, the cost for additional trailers (-\$0.5M) contributed to the current month overrun as well as the 209E Project (-\$0.2M). This is offset by (+\$0.1M) with efficiencies gained with Cold and Dark and Waste Identification Form teams. Also, capital equipment costs were lower than budgeted (+\$0.1M) as well as the 200E Project (+\$0.6M)
 - ARRA RL-0040.R1.2 Outer Zone D&D – The current month unfavorable cost variance is primarily related to the purchase of additional gamma spectrometry survey equipment (-\$0.2M). Costs associated with the greater depth of contamination in the BC Control Area and the resulting larger volume of soil requiring removal and disposal were offset this month by a correction to previous ERDF charges which had been incorrectly assigned to this project. In addition, the 212-N/P/R Project (-\$0.9M) overrun is due to close-out documentation taking longer than planned and prior months costs for ERDF were incorrectly billed to the BC Control Area. This is offset by an underrun in the ALE Project (+0.8M) due to efficiencies with the lower buildings requiring less asbestos abatement than planned.
- The RL-0041 variance (+\$0.2M) is within reporting thresholds.

Base Performance by PBS (\$M)

	Current Period				
	Budgeted Cost		Actual Cost ACWP	Variance	
	BCWS	BCWP		Schedule	Cost
RL-0011 - Nuclear Mat Stab & Disp PFP	5.2	5.0	4.1	(0.2)	1.0
RL-0012 - SNF Stabilization & Disp	7.7	6.6	6.4	(1.1)	0.2
RL-0013 - Solid Waste Stab & Disp	9.5	8.8	8.5	(0.7)	0.3
RL-0030 - Soil & Water Rem-Grndwtr/Vadose	15.3	13.5	12.2	(1.8)	1.2
RL-0040 - Nuc Fac D&D - Remainder Hanfrd	0.5	1.7	1.2	1.2	0.5
RL-0041 - Nuc Fac D&D - RC Closure Proj	1.4	1.6	1.2	0.2	0.4
RL-0042 - Nuc Fac D&D - FFTF Proj	0.2	0.2	0.1	0.0	0.1
Subtotal	39.6	37.4	33.7	(2.3)	3.7
Fee			2.4		
Total			36.1		

Base

The Current Month unfavorable Schedule Variance (-\$2.3M/-5.7%) reflects:

- The primary contributors to the negative variance (-\$1.8M) that exceed reporting thresholds are as follows:
 - 100 HR-3 Operable Unit (-\$0.9M) Primarily due to 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 project completion dates for the HX pump and treat facility.
 - Regulatory Decision/Closure (-\$0.5M) Delays associated with implementation of the Multi-Incremental Sampling and suspension of decision document activities to align with the Central Plateau tentative agreement. The project is in the process of preparing a BCR to align with the new Central Plateau Closure strategy.
 - 100 KR-4 Operable Unit (-\$0.3M) Primarily due to delays to the PLC upgrade work scope. Much of the significant upgrade work is being coordinated to take place during the KR-4 outage that is to begin in June. No overall impact to project completion is expected.
 - Integrated Field Work (+\$0.3M) Due to delivery of the borehole logging truck in April that was originally planned to be delivered last September. This scope was carried over into FY 2010.
- The RL-0012 negative variance (-\$1.1M) reflects the 100K Area and STP variances including: contracting delays in the Phase 2 scope as terms and conditions are being negotiated (-\$0.4M); lower production in the Settler Tank Retrieval activities due to the pump failures (-\$0.1M); delayed start of the settler tank sampling activities until the retrieval completion nears (-\$0.1M); delayed start and slower progress towards the Preliminary Design scope and testing for the KOP Disposition subproject while preparing for the CHPRC EPC PRB approval of the Conceptual Design (-\$0.2M); delayed start of both Multi-Canister Overpack (MCO) subcontracts and MCO processing upgrades, while management determinations and engineering analysis completed (-\$0.3M). Recovery actions

include: focused attention on the subcontracts for the Phase 2 contracts (most, if not all) negotiations have completed, Settler Tank retrieval using the first skid installed until spares are fabricated and overtime for optimal run times; KOP recovery now that the CHPRC EPC PRB has approved the Conceptual Design. CHPRC and RL are working on the contracting strategy for the MCOs and STP and 100K Engineering are working closely to place the procurements identified for upgrades to the MCO and Integrated Water Treatment System (IWTS).

- The RL-0013 variance (-\$0.7M) is within threshold, however, in TRU Repackaging, shipments of low gram TRU waste did not occur as planned, and TRU Retrieval installation activities for Kelly Klosure are behind schedule due to delayed delivery associated with corrections for hoist and trolley issues.
- The RL-0040 positive variance (+\$1.2M) is due to the implementation of a Baseline Change Request which moves the Cell 30 design and safety documentation to ARRA (+\$1.6M), and in waste sites relates to the construction of the barriers for Central Landfill and the Non-Radioactive Dangerous Waste Landfill which is being delayed pending agreement on the closure plans (-\$0.4M).
- The RL-0011, RL-0041 and RL-0042 variances (\$0.0M) are within reporting thresholds.

The Current Month favorable Cost Variance (+\$3.7M/+9.9%) reflects:

- Various positive and negative variances contribute to the RL-0030 positive variance (+\$1.2M). The following variances exceed reporting thresholds:
 - Regulatory Decision/Closure (+\$0.5M) Due to subcontractor accruals that were overstated in March due to delays in getting to the field to begin work. These accruals were reversed and realigned with the actual work that was performed in April. CTD cost variance for these overall activities remains positive.
 - 100 ZP-1 Operable Unit (+\$0.4M) Due to lower cost for sample documentation, collection, and data validation than planned. Some of the positive cost variance may be reduced by trailing invoices for WSCF and the simulator training.
- The RL-0011 positive variance (+\$1.0M) is due to the following:
 - (+\$0.6M) 236Z (PRF) – Efficiencies associated with east gallery glovebox cleanout and elimination of “Q” shift to support pencil tank size reduction.
 - (+\$0.3M) Maintain Safe & Compliant PFP – Subcontract underrun due to reassignment of teamsters to support higher priority D&D work scope.
 - (+\$0.1M) 242Z – Time card corrections processed to align with February transfer of 242Z scope under ARRA.
 - Recovery – this positive cost variance is not expected to continue as increased overtime is expected to be utilized to recover schedule associated with the initial clean-up of the PRF canyon floor.
- The RL-0013 positive variance (+\$0.3M) is within reporting thresholds, although, it reflects delayed accruals in TRU Retrieval –for delivered prefabricated shells for Long Term Box Storage and Kelly Klosure, and progress claimed this period for prior month’s completion of NGR Special Packaging Authorization (SPA) activity, Mixed Waste Disposal Trenches accounting correction, Liquid Effluent Facilities (LEF) Base Ops continued efficiencies, and credit for materials (correction in May); partially offset by Assessments, Training and Transportation & Packaging above plan (under review for correction and possible cost transfers to responsible projects).
- The RL-0012, RL-0040, RL-0041 and RL-0042 variances (+\$1.1M) 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	102.1	100.5	90.4	(1.6)	10.0	290.0	281.5	8.5
RL-0013 - MLLW Treatment	26.9	28.2	24.1	1.3	4.1	50.5	46.9	3.6
RL-0013 - TRU Waste	71.6	67.0	67.6	(4.6)	(0.6)	248.9	247.2	1.7
RL-0030 - Soil and Groundwater	62.0	63.9	52.5	1.9	11.4	202.3	233.3	(31.0)
RL-0040 - U Plant/Other D&D	96.4	94.1	77.1	(2.3)	17.0	207.6	190.8	16.8
RL-0040 - Outer Zone D&D	21.2	19.2	19.4	(2.0)	(0.3)	74.8	81.5	(6.7)
RL-0041 - 100K Area Remediation	84.6	78.3	54.8	(6.3)	23.5	184.5	176.4	8.1
Subtotal	464.8	451.1	385.9	(13.7)	65.2	1,258.4	1,257.6	0.9
Management Reserve						36.6		
Fee			29.5			72.1		
Total			415.5			1,367.2		

ARRA

The CTD negative Schedule Variance (-\$13.7M/-2.9%) reflects:

- The RL-0041 negative variance (-\$6.3M) is due to the following:
 - 100K Area Project (Facilities and Others) (-\$6.2M) The negatives variances A) Utilities (-\$9.0M) 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 and is forecasting completion in late July. B) Facilities (-\$2.5M) overrun is because of 183.1KW Head House being paused while adjacent waste remediation is completed, 183.2KW Sedimentation Basin where waste is being stockpiled instead of disposed of at ERDF, 115KE/117KE Gas Buildings where work has been paused until 116KE's stack is exploded, and 1706KE/KER asbestos removal which had a late start to ensure the below-grade building was structurally sound before asbestos removal was begun. C) 105KE Reactor (-\$0.3M) negative schedule variance is due to availability of insulators to begin asbestos removal and the late start of demolition activities and D) Project Management (-\$0.1M). This is offset by K West Deactivation (+\$5.7M) ahead of schedule on small debris removal.
 - Waste Sites (-\$0.1M) variance is within reporting thresholds.
- The RL-0040 negative variance (-\$4.3M) reflects the following subproject performance:
 - ARRA RL-0040.R1.1 U Plant/Other D&D – The negative variance for the D4 Project is caused by late delivery of heavy equipment in the D4 capital equipment account (-\$0.8M), finalizing the grouting contract for U Canyon (-\$0.5M), delays with the 200E Administration Buildings (-0.9M) due to Bio-Hazard and Radiological Control issues, 209E (-\$0.4M) and U Ancillary Demolition (-\$0.1M) schedule delays due to asbestos abatement/respirator issues.

- ARRA RL-0040.R1.2 Outer Zone D&D - The unfavorable variance is primarily 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 (-\$0.8M) delay in starting design of the Central Landfill and the Non-Radioactive Dangerous Waste Landfill (NRDWL) barriers pending agreement on the closure plans (-\$0.7M) and a combination of extensive regulatory agency review times on regulatory documents (AM and RAWP) and obtaining the characterization data needed for ERDF profiles prior to remedial activities (-\$0.5M). This is offset by the ALE Project (+\$0.4M) due to less asbestos abatement activities than planned.
- The RL-0013 negative variance (-\$3.4M) reflects the following subproject performance:
 - RL-13 MLLW Treatment variance is due to accelerated disposal of 435.1 Compliance waste; partially offset by reduced MLLW shipments due to delay in receipt of waste from the Retrieval Project, delayed procurement of a Type A Waste container due to lack of qualified suppliers.
 - RL-0013 TRU Waste variance is due to Next Generation Retrieval site preparation performed in series versus parallel and staff training delayed due to higher priority Retrieval activities, and delayed progress in TRU Characterization due to delays in the initiation of full Central Characterization Project (CCP) characterization program, and delays in the design of RH TRU Waste Retrieval Processing System associated with design complications and contract startup issues.
- The RL-0011 negative variance (-\$1.6M) is due to the following:
 - (-\$1.3M) 234-5Z Process Facility and Labs – Room 227 emergent scope related to recovery actions from a nitric acid inhalation, lower than expected decontamination effectiveness, and HA28 Glovebox in Room 235B work delays due to a number of false Continuous Air Monitor (CAM) alarms. It is expected that these schedule delays will not be recovered until the end of the fiscal year.
 - (+\$0.8M) – Accelerated equipment procurements (+\$0.5M), better than expected performance in deactivation of non-process equipment and removal of asbestos insulation through the 234-5Z building, (+\$0.1M) and early completion of ready for demolition activities associated with 15 fuel vaults (+\$0.2M).
 - (-\$0.6M) Facility Modifications – Project delays associated with completion of chiller design, lack of engineering resources associated with alternate exhaust system design and installation. Chiller schedule recovery is expected to occur by the middle of June. The recovery plan for the alternate exhaust system work scope is being evaluated and a recovery schedule is being developed.
 - (-\$0.5M) 2736Z/ZB – Work package priorities and engineering paperwork 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.
- The primary contributors to the positive variance (+\$1.9M) in RL-0030 are as follows:
 - 100-HR-3 Operable Unit (+\$3.8M) 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 FY 2010. However, a significant amount of work had already been performed in FY 2009 and that work scope is representative of the CTD positive schedule variance.
 - Ramp-up and Transition (-\$2.1M) Result of several different factors. Most notable is the issue with the Soil and Groundwater building concrete foundation being poured in a different orientation than as designed due to misinterpretation of drawings. This issue has caused a schedule slip of several weeks. Also causing the schedule variance are the subcontractor delays of the building erection (approximately three months behind) and the installation of utilities

(nearly two months behind). These delays are due in part to quality, workmanship and staffing inadequacies. Delays in finalizing layout of the Phase IV mobile units have also caused schedule delays. Project Team meetings with selected subcontractors have taken place to address the schedule slips and other issues. Corrective actions are being identified to avoid further slips and resolution of noted issues. Project Team has also been given further guidance on proper charging practices for labor and subcontract procurements.

The CTD favorable Cost Variance (+\$65.2M/+14.5%) reflects:

- The RL-0041 positive variance (+\$23.5M) is due to the following:
 - 100K Area Project (Facilities and Others) (+\$16.4M) The positive variance is from A) Facilities (+\$7.5M) due to efficiencies of scale for concurrent demolition and \$3M of ERDF disposal cost avoidance, B) K West deactivation (+\$7.9M) for the debris removal campaign removing smaller debris units first and having experienced staff members (the baseline assumed a staff that would not be experienced in debris removal operations, so a learning curve was built into the schedule), C) Utilities reroutes (+\$2.0M) where costs won't be received until May, D) 105KE Reactor Disposition (+\$0.4M) for site preparation and obstruction removal, and Mission Support Contractor support where services have not been used as extensively as planned. This is offset by Project Management (-\$1.4M) where general site cleanup labor has been utilized on site cleanup work scope.
 - Project Support & Services (+\$7.2M) General and Administrative achieved efficient use of assigned resources.
 - Waste Sites (-\$0.1M) variance is within reporting thresholds.
- The RL-0040 positive variance (+\$16.8M) reflect the following subproject performance:
 - ARRA RL-0040.R1.1 U Plant/Other D&D – The positive variance for the D4 Project is largely due to favorable performance of the cold and dark teams and the sampling and characterization/waste identification form teams (D4) (+\$2.8M), G&A and direct distributable allocations (+\$6.5M), less for Program Management than planned (+\$0.5M), efficiencies at U Canyon (D4) (+\$3.7M), less resources than planned for C-3 Sampling (+\$0.7M) and 200E Administration (+1.1M), lower than planned costs for capital equipment (D4) (+\$2.1M), 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) (-\$3.3M), coupled with increased insulator staff and overtime to recover schedule, 209E Project (-\$0.3M) and higher MSA (-\$1.2M) costs for Fleet/Training, etc. The Waste Site variance (+\$0.5M) is primarily related to efficiencies in the initial effort to develop the agreement in principle for the U Plant Zone (+\$0.3M) and efficiencies in project management and other Hanford Contractor support (+\$0.2M).
 - ARRA RL-0040.R1.2 Outer Zone D&D – The variance (+\$1.2M) is primarily related to efficiencies in mobilization gained by changing to direct haul to ERDF, which reduced costs and environmental impacts associated with construction of a container transfer area (+\$0.6M). Lower than modeled costs have been realized on the initial confirmatory sampling waste sites due to the non-complex nature of the waste sites addressed to date (+\$0.8M). However, these efficiencies are being offset by higher than planned remediation costs at BC Control Area due to the greater depth of contamination and the larger volume of soil being removed to ERDF (-\$0.2M). In addition, the ALE Project continues to underrun due to efficiencies and less asbestos abatement activities required than planned (+\$4.0M). This is also offset by overruns in the 212-N/P/R Project (-\$1.2M) and the acceleration of the 212 Railcars scope from FY 2011 to FY 2010 (-\$0.3M).

- The primary contributors to the RL-0030 positive variance (+\$11.4M) are as follows:
 - 100-HR-3 Operable Unit (+\$3.0M) Efficiencies experienced during installation of HDPE piping and road crossings.
 - Drilling (+\$2.7M) Efficiencies/savings obtained in drilling for 100-NR-2, 100-HR-3, and 200-BP-5 wells. Cost efficiencies are being obtained through an aggressive drilling schedule with savings in support personnel, faster drilling methods and the fact that the HR-3 well depths have been less than originally planned. 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 (+\$1.6M) Project support functions (PM, CM, Engr, etc.) continue to perform with staffing levels below estimated levels; contracted costs for the four shop buildings are currently below estimated values; and initial site prep, utilities and trailer procurements/placement contracts are below estimated values. Some subcontract and labor costs were misapplied to the Mobile Offices project (000.19.01.01.06) and corrections continue to be processed to redirect the appropriate costs to this project.
 - PBS RL-30 UBS, G&A, and DD (+\$1.6M) variance is discussed in Appendix C.
- The RL-0011 positive variance (+\$10.0M) is due to the following:
 - (+\$5.4M) – Efficiencies recognized on cross-cutting support to the D&D work teams (primarily in solid waste management, project management, NDA, and consumables and subcontracts)
 - (+\$3.8M) – Overhead allocations directly related to the PRC accounting practice of distributing cost based on the Project's actual cost (i.e., Project Services Distribution, General and Administrative, and Direct Distributables).
 - (+\$2.0M) – Efficiencies experienced in completing facility modifications and the removal of asbestos and non-process equipment from 234-5Z.
 - (-\$1.2M) – Use of overtime and additional usage-based services (MSA Brokered Resources) to recover schedule on glovebox decontamination and disposition and delayed initiation of process vacuum system removal.
 - Recovery – this positive cost variance is expected to continue to grow as more efficiencies are recognized during execution of D&D work scope.
- The RL-0013 positive variance (+\$3.5M) reflects the following subproject performance:
 - RL-0013 MLLW Treatment variance reflects the costs for waste treatment below plan due to efficiencies created by treating waste at ES-Clive rather than planned treatment at Perma-Fix Northwest (due to a waiver received from DOE) and efficiencies in Facility base operations and upgrades.
 - RL-0013 TRU Waste variance is within reporting thresholds due to the increased allocation for additional office space and Project Services as a result of increased Recovery Act expenditures; increased TRU Retrieval engineering and technical support to mitigate deteriorated waste containers and upset conditions; offset by delay in hiring/training for TRU Characterization and Shipping due to delays in initiation of full CCP characterization program and efficiencies in TRU Retrieval training and design of Trench Face Processing System.

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	105.7	103.4	101.4	(2.3)	2.0	339.6	336.1	3.5
RL-0012 - SNF Stabilization & Disp	138.6	136.2	137.5	(2.4)	(1.3)	576.9	578.5	(1.6)
RL-0013 - Solid Waste Stab & Disp	201.3	197.4	194.0	(3.9)	3.4	1,568.3	1,566.2	2.1
RL-0030 - Soil & Water Rem-Grndwtr/Vadose	197.8	193.9	182.9	(3.9)	11.0	1,203.7	1,198.7	5.0
RL-0040 - Nuc Fac D&D - Remainder Hanfrd	41.7	41.4	35.4	(0.3)	6.0	969.5	962.9	6.7
RL-0041 - Nuc Fac D&D - RC Closure Proj	15.5	15.9	13.4	0.4	2.6	377.5	352.0	25.5
RL-0042 - Nuc Fac D&D - FFTF Proj	9.4	9.4	8.8	0.0	0.6	25.0	23.9	1.1
Subtotal	710.1	697.6	673.3	(12.5)	24.2	5,060.5	5,018.3	42.2
Management Reserve						173.8		
Fee			33.2			231.9		
Total			706.6			5,466.2		

Base

The CTD unfavorable Schedule Variance (-\$12.5M/-1.8%) reflects:

- The RL-0013 negative variance (-\$3.9M) is in TRU Repackaging where shipments of low gram TRU waste did not occur as planned, and TRU Retrieval installation activities for Kelly Klosure are behind schedule due to delayed delivery associated with corrections for hoist and trolley issues.
- The following variance (-\$3.9M) in RL-0030 exceeded the reporting thresholds:
 - 100-HR-3 Operable Unit (-\$1.8M) 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.
- The RL-0011 negative variance (-\$2.3M) is due to the following:
 - (-\$2.2M) – PRF (-\$1.4M BROKK Procurement, -\$0.6M Canyon Floor Cleaning, -\$0.2M Pulser Hood and PH Hood Removal). This schedule variance will continue pending the completion of the evaluation of the manual size reduction approach (~July 2010). If manual size reduction is successful, a Baseline Change Request (BCR) will be developed and implemented. If unsuccessful, procurement of the BROKK will proceed. (Expected Recovery ~January 2011).
 - (-\$0.1M) Facility Modifications – Delay of 2736Z/ZB door modifications due to vendor equipment failures, and additional safety and health requirements. Expected Recovery – late June.
 - The schedule variance associated with floor cleaning and hood removal is due to the increased duration for Crane Reactivation. Expected Recovery – September, 2010.
- The RL-0040 negative variance (-\$0.3M) is due to a delay in starting construction of the Central Landfill and the NRDWL barriers pending agreement on the closure plans.
- The RL-0012, RL-0041 and RL-0042 variances (-\$2.0M) are within reporting thresholds.

The CTD favorable Cost Variance (+\$24.2M/+3.5%) reflects:

- Primary contributors to the positive variance (+\$11.0M) in RL-0030 that exceed reporting thresholds are as follows:
 - 200-ZP-1 Operable Unit (+\$2.0M) Largely the result of 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. This positive cost variance is expected to be available for funds management within other areas of the project.
 - 100-KR-4 OU (+\$1.9M) Efficiencies obtained with the KR-4 Operations and Maintenance accounts, which are expected to continue throughout the fiscal year.
 - Regulatory Decision & Closure Integration (+\$1.9M) 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.
 - 100-NR-2 OU (+\$1.8M) Resulted from performing chemical treatment & 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.
 - Usage Based Services (-\$0.9M) Due to the historical overrun carried over from FY 2009 associated with the under budgeted Fleet Services in this account.
- The RL-0040 positive variance (+\$6.0M) is due to the following: A) recognized efficiencies for demolition of the Industrial 7 Project (D4) (+\$0.6M) as a result of utilization of existing site equipment and materials, B) surveillance and maintenance costs (D4) (+\$1.2M) less than expected, C) completed the sampling of Cell 30 with less resources than planned (+\$0.9M), D) Program Management utilizing less resources (+\$0.9M), E) capital equipment (+\$0.4M), F) Usage Base Services (+\$0.1M), G) underrun in G&A and direct distributable allocations (+\$1.2M) and H) Waste Sites (+\$0.8M) 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.
- The RL-0013 positive variance (+\$3.4M) is due to the decreased allocation for G&A/Direct Distributables, efficiencies in Liquid Effluent Facilities and MLLW (due to treating waste at ES-Clive rather than planned treatment at PFNW due to a waiver received from DOE), and labor under plan for Nuclear and Criticality Safety; partially offset by continued use of MSC support services & Fleet Services, Training and Transportation and Packaging above plan (under review for corrections and possible cost transfers to responsible projects), and TRU Retrieval additional resources to deal with deteriorated containers/85 gallon drum issues.
- The RL-0041 positive variance (+\$2.6M) is due to the following:
 - 100K Area Project (Facilities and Others) (+\$3.2M) – primarily due to 105KE Reactor Core Removal (+\$3.2M) work efficiency on deactivation and enabling documents; a baseline change request will be processed with their new path forward.
 - Waste Sites (-\$0.6M) due to the acquisition of additional personnel and equipment waiting for D4 facility completion, and contamination quantities greater than planned.
- The RL-0011 positive variance (+2.0M) is due to the following:

- (+\$1.6M) D&D Materials & Subcontracts and Waste Container Procurements, and recognized efficiencies in 242Z and 2736Z/ZB
- (+\$1.3M) Early Completion of Special Nuclear Material De-Inventory
- (-\$1.3M) Usage Based Services – (Increased Cost in Training Tuition, Increased Costs in Facility Services due to the increased number of trailers to support the D&D work activities)
- (-\$0.6M) PRF – Increased overtime utilization to support crane reactivation and to begin schedule recovery for the floor cleaning and hood removal
- Recovery – this positive cost variance is expected to decrease with increased utilization of overtime to recover schedule associated with the canyon floor cleaning and pH and Pulser Hood Removal.
- The RL-0012 and RL-0042 variances (-\$0.8M) are within reporting thresholds.

FUNDING ANALYSIS

FY 2010 Funds vs. Spending Forecast (\$M)

PBS	Project	FY 2010		Variance
		Baseline Funding	Spending Forecast	
RL-0011	Nuclear Materials Stabilization and Disposition	118.4	107.0	11.4
RL-0013	Waste and Fuels Management Project	151.7	129.9	21.8
RL-0030	Soil, Groundwater and Vadose Zone Remediation	125.7	108.4	17.4
RL-0040	Nuclear Facility D&D, Remainder of Hanford	138.3	121.2	17.1
RL-0041	Nuclear Facility D&D, River Corridor	115.0	97.4	17.6
Total ARRA:		649.0	563.7	85.3
RL-0011	Nuclear Materials Stabilization and Disposition	57.5	50.6	6.8
RL-0012	Spent Nuclear Fuel Stabilization and Disposition	86.8	79.7	7.1
RL-0013	Waste and Fuels Management Project	108.7	101.4	7.3
RL-0030	Soil, Groundwater and Vadose Zone Remediation	177.1	155.4	21.7
RL-0040	Nuclear Facility D&D, Remainder of Hanford	25.5	15.4	10.0
RL-0041	Nuclear Facility D&D, River Corridor	20.9	15.0	5.8
RL-0042	Fast Flux Test Facility Closure	1.7	1.1	0.6
Total Base:		478.1	418.7	59.4
Combined ARRA/Base Total:		1,127.1	982.4	144.6

BASELINE CHANGE REQUESTS

In April 2010, CHPRC approved and implemented twelve (12) baseline change requests, of which five (5) are administrative in nature and did not change budget, schedule or scope. The remaining seven (7) change requests are briefly summarized in the table below:

BCR Number	Title	Description
AWA-030-10-009R0	TPA Tentative Agreement Changes per Mod 095	This advanced work authorization approves starting the implementation of the new Central Plateau Strategy as directed by RL in Contract Modification 095 into the current Performance Measurement Baseline (PMB). The fiscal year (FY) 2010 PMB budget is increased \$787.4K. No additional funds are requested and no management reserve (MR) is used.
AWA-R41-10-002R0	Remediation of Waste Site 100-K-63, update	This advanced work authorization authorizes the budget to perform the design, initial site survey, contractor mobilization and the first 30 days of excavation on the 100-K-63 waste site per Contract Mod. 099. The FY 2010 PMB budget is increased \$2,926.9K; no additional funding is requested and no MR is used.
BCR-PRC-10-024R0	Transfer KE Reactor & KE Sedimentation Basin Complex Demolition Scope from ARRA to Base	This change request transfers scope from American Recovery & Reinvestment Act (ARRA) to BASE for the deactivation through demolition of KE Sedimentation Basin Complex and the 105KE Reactor Disposition per Contract Mod 098. This change also includes the re-estimate of work scope for 105KE Reactor Disposition Decontamination and Phase 1 Demolition. No TPA or PI milestones were affected with this change. Included Decision Point Milestones for DOE-RL to determine path forward on 105KE Reactor Disposition. No additional funds are required and no MR is used. The overall PMB budget is reduced \$1.7K.
BCR-PRC-10-025R0	U-Plant Cell 30 Disposition	This change request implements an alternative U-Plant Cell 30 disposition - remove the Cell 30 tank as a whole, package it into a DOT certified container, ship it to T Plant and store it as an interim container for future processing with the materials already destined for treatment at the Waste and Fuels Project. The overall PMB budget is reduced \$3,616.3K, no additional funding is requested and no MR is used.
BCR-R30-10-001R0	200-ZP-1 Incorporate Project Change Notice for Final Design	This change request revises the estimate to complete the 200-ZP-1 Pump & Treat Facility. The increased budget required to incorporate the new design and construction needs is offset by reductions in the estimate associated with the procurement of electrical cable and allotments previously set aside for procurement of spares. No additional funds are required to support this change request. MR, in the amount of \$429.3K, is used to cover the budget increase due to escalation resulting from realized risk SGW-031A.
BCR-R40-10-005R0	Scientific Consultant from DOE-NTS Regarding BC Controlled Area	This change request allows the transfer of scope to the Nevada Test Site (NTS) for subject matter expert(s) from the Remote Sensing Laboratory (RSL) to support the project in presenting the survey findings to the regulatory agencies and justifying this approach to CERCLA closure. This change request also provides on-site comparative surveying using RSL and CHPRC equipment. The FY 2010 budget is reduced \$334.2K for transfer to the NTS by DOE.
BCR-R40-10-007R0	Recovery Plan for 600 Area OCL Remediation	Pre-remediation sampling is required at the 600 Area Old Central Landfill (OCL) to verify the constituents in the RTD waste stream and approve the ERDF waste profile. This pre-sampling was not identified in the original schedule as it was expected that sites had been

BCR Number	Title	Description
		adequately characterized in development of the MG-1 EE/CA. This change in assumption adds several months to the schedule as sampling plans are prepared, samples collected and analyzed, an ERDF waste profile is prepared, and ERDF reviews and approves the profile. No additional funds are required and no management reserve is used. The overall PMB budget is increased \$4.5K.

Overall for April 2010 the contract period PMB budget is increased \$195.8K. Management reserve, in the amount of \$429.3K, is used to cover escalation resulting from realized risk SGW-031A. 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 primary focus in May 2010 will be to support RL in review of the PRC Baseline, Revision 2, and process normal operating change requests as needed to maintain the PMB in the earned value management system consistent with requirements. The change to the Estimated Contract Price, if all authorized, un-priced work scope were definitized at the PMB values, as a result change requests processed in April 2010 is summarized by fiscal year in the tables below (negative number represents reduction):

April 2010 Summary of Changes to Estimated Contract Price

	FY 2009	FY 2010	FY 2011	FY 2012	FYs 2009-2013	FYs 2014-2018
March 2010 Contract Price						
PMB	653,426	1,018,493	948,785	761,477	4,023,661	2,295,078
Mgmt Rsrv (MR)	0	27,700	34,300	30,200	124,500	86,300
Fee	39,712	48,772	49,035	40,377	210,647	93,430
Total	693,138	1,094,965	1,032,120	832,054	4,358,808	2,474,808
Change by Funding Source to Contract Price in April 2010 (12 BCRs)						
PMB						
ARRA						
All ARRA WBSs	0.0	-30,023	-198	-10,797	-41,018	0.0
Base						
All Base WBSs	0	-1,417	22,714	16,627	38,288	2,925
Change to PMB	0	-31,440	22,516	5,830	-2,729	2,925
MR						
ARRA						
All ARRA WBSs	0	0	-429	0	-429	0
Base						
All Base WBSs	0	0	0	0	0	0
Change to MR	0	0	-429	0	-429	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	-31,440	22,087	5,830	-3,159	2,925
April 2010 Contract Price						
PMB	653,426	987,053	971,301	767,307	4,020,931	2,298,003
MR	0	27,700	33,871	30,200	124,071	86,300
Fee	39,712	48,772	49,035	40,377	210,647	93,430
Total	693,138	1,063,525	1,054,207	837,884	4,355,649	2,477,733

Changes to/Utilization of Management Reserve in April 2010

		FY 2009	FY 2010	FY 2011	FY 2012	FY 2009-2013	FY 2014-2018
Management Reserve (MR) - End of March 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	6,500	6,000	0	12,500	0
	RL-0030.R1	0	1,500	3,800	0	5,300	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	16,200	20,800	0	37,000	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	27,700	34,300	30,200	124,500	86,300
Changes to/Utilization of Management Reserve in April 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	0	0	-429	0	-429	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	-429	0	-429	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	-429	0	-429	0
Management Reserve - End of April 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	6,500	6,000	0	12,500	0
	RL-0030.R1	0	1,500	3,371	0	4,871	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	16,200	20,371	0	36,571	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	27,700	33,871	30,200	124,071	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 4/30/2010							Planned Subcontracting*	\$2,524,483,195	
Contracts + Purchase Orders + Pcards							Contract-to-Date Awards =	\$1,104,809,280	
Reporting Classification	ARRA		Non-ARRA		Total (\$)	Percent of Total	Goal (%)	Balance Remaining to Award =	\$1,419,673,915
	(\$)	%	(\$)	%				Goal Award (\$)	Bal. to Goal (\$)
SB	\$248,225,489	55.21%	\$291,215,334	44.45%	\$539,440,823	48.83%	49.30%	\$1,244,570,215	\$705,129,392
SDB	\$47,461,819	10.56%	\$49,559,682	7.56%	\$97,021,501	8.78%	8.20%	\$207,007,622	\$109,986,121
SWOB	\$57,919,949	12.88%	\$53,156,890	8.11%	\$111,076,839	10.05%	6.50%	\$164,091,408	\$53,014,569
HUB	\$5,116,115	1.14%	\$10,214,432	1.56%	\$15,330,547	1.39%	3.20%	\$80,783,462	\$65,452,915
VOSB	\$37,467,357	8.33%	\$20,943,590	3.20%	\$58,410,947	5.29%	2.00%	\$50,489,664	(\$7,921,283)
SDVO	\$4,215,625	0.94%	\$3,769,781	0.58%	\$7,985,406	0.72%	2.00%	\$50,489,664	\$42,504,258
NAB	\$3,422,204	0.76%	\$4,142,092	0.63%	\$7,564,296	0.68%	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: \$4,622,419,027 17% requirement: \$785,811,235 Awarded: \$539,440,823 Balance to Requirement: \$246,370,412	
Large	\$146,613,041	32.61%	\$232,730,828	35.52%	\$379,343,869	34.34%	0.00%		
GOVT	\$30,379	0.01%	\$708,918	0.11%	\$739,297	0.07%	0.00%		
GOVT CONT	\$54,720,804	12.17%	\$128,899,842	19.67%	\$183,620,646	16.62%	0.00%		
EDUC	\$25	0.00%	\$30,657	0.00%	\$30,682	0.00%	0.00%		
NONPROFIT	\$25,243	0.01%	\$1,536,341	0.23%	\$1,561,584	0.14%	0.00%		
FOREIGN	\$7,603	0.00%	\$64,776	0.01%	\$72,379	0.01%	0.00%		
Total	\$449,622,585		\$655,186,696		\$1,104,809,280				

Notes:

1. Performance in FY 2010 continues to exceed goals in the Disadvantaged Business, Woman Owned, and Veteran Owned categories.
2. Over 48% of awards have been made to small businesses with over 55% of ARRA awards to small businesses.
3. ARRA funded awards have accounted for 41% of all actions placed since contract inception.
4. Over 94% of the total dollars arise from service and staffing Contracts and Contract amendments with 3.4% 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