

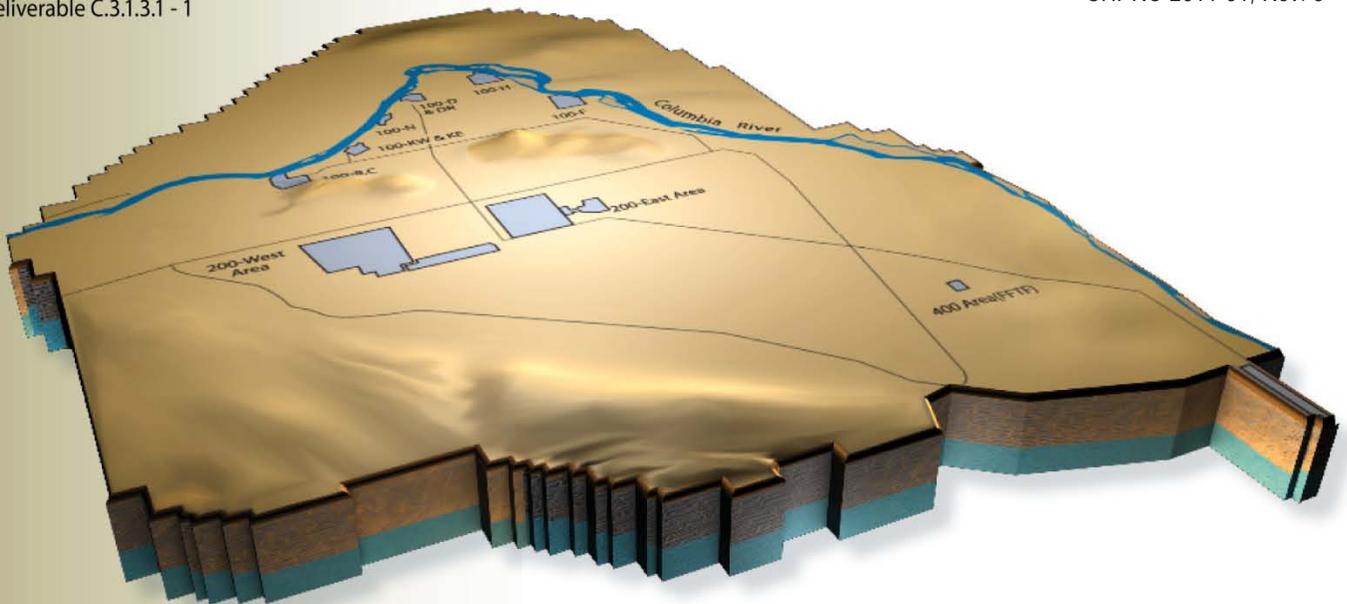


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# Monthly Performance Report

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## EXECUTIVE SUMMARY

In January the Plutonium Finishing Plant (PFP) project team completed Phase II of process vacuum system piping removal. The team removed nearly 800 feet of piping since fall of 2010 and plans to remove a total of approximately 5,500 feet of the highly contaminated piping by the end of fiscal year (FY) 2011. Crews are simultaneously removing contaminated process transfer piping as well, with nearly 350 feet removed as of January.

The Waste & Fuels Management Project (W&FMP) resumed repackaging operations at the Waste Receiving and Processing (WRAP) facility. W&FMP in conjunction with the Hanford Central Characterization Project (CCP) also completed the seventy-seventh inter-site TRUPACT-II shipment of TRU waste to the Advanced Mixed Waste Treatment Project located at the Idaho National Engineering Lab Site.

In the 200 West Area of the Hanford Site, Soil & Groundwater Remediation (S&GRP) and Engineering, Projects & Constructions (EPC) crews continued work on the 200 West Groundwater Treatment Facility. Drilling crews completed an American Recovery and Reinvestment Act (ARRA) Key Performance Parameter (KPP) to install 22 wells to support the 200 West pump-and-treat facility. Construction crews closed in the Radiological Building, completed the structural steel of the Bio-Process building, and began constructing the structural steel for the 80-foot-tall air stripper tower.

Also on the Central Plateau, Decommissioning and Demolition (D&D) project teams continued preparing structures for demolition. The project completed drilling of holes into the external walls of the U Canyon, began separating the exhaust chimneys and baghouses from the 284-W Power House in preparation for explosive demolition in February, and performed visual inspection of 11 contaminated cask cars in the 200 North Area.



**Process piping removal at PFP**



**Sludge sampling**

The Sludge Treatment Project team reached another major step in treating radioactive sludge in the K West Reactor basin, taking final samples of the radioactive sludge and transporting the samples to the Pacific Northwest National Laboratory (PNNL) for analysis the first week of January.

## Focus on Safety

Ushering in the New Year, each Vice President took time with their workforce to reflect on the prior year's successes, to review safety performance, and share goals for 2011. With an overarching theme of safety consciousness, injury statistics were presented identifying "Watch Out for Wednesday" and mid-day and end-of-day break points as the most prevalent times for Recordable and First-Aid injuries, respectively. With a mantra of "Safety Never Stops", safety focus as a 24/7 philosophy was emphasized and common rationalizations for taking undue risk were reviewed. The message concluded by highlighting controls and expectations for performing work according to established procedures and processes, avoiding distractions, and being mindful of hidden hazards.

The January President's Zero Accident Council highlighted our "Stretch and Flex" program, safe driving techniques, and provided anecdotal examples from offsite of poor practices in fall protection, elevated work, and securing loads. Five recent injuries were discussed in detail to share lessons learned and causal factors with all of the councils.

Focus on Voluntary Protection Program (VPP) continues, preparing for the upcoming Onsite review by DOE-HQ this spring. Our worker awareness campaign kick-off occurred mid-month as well as an associated communications plan. These efforts flow from our approved VPP Safety Improvement Plan which targets six fundamental elements:

- Improve elevated work safety
- Improve vehicle safety
- Reduction of high frequency injuries
- Improve communication
- Implement a VPP awareness campaign
- Awareness and support of work observations

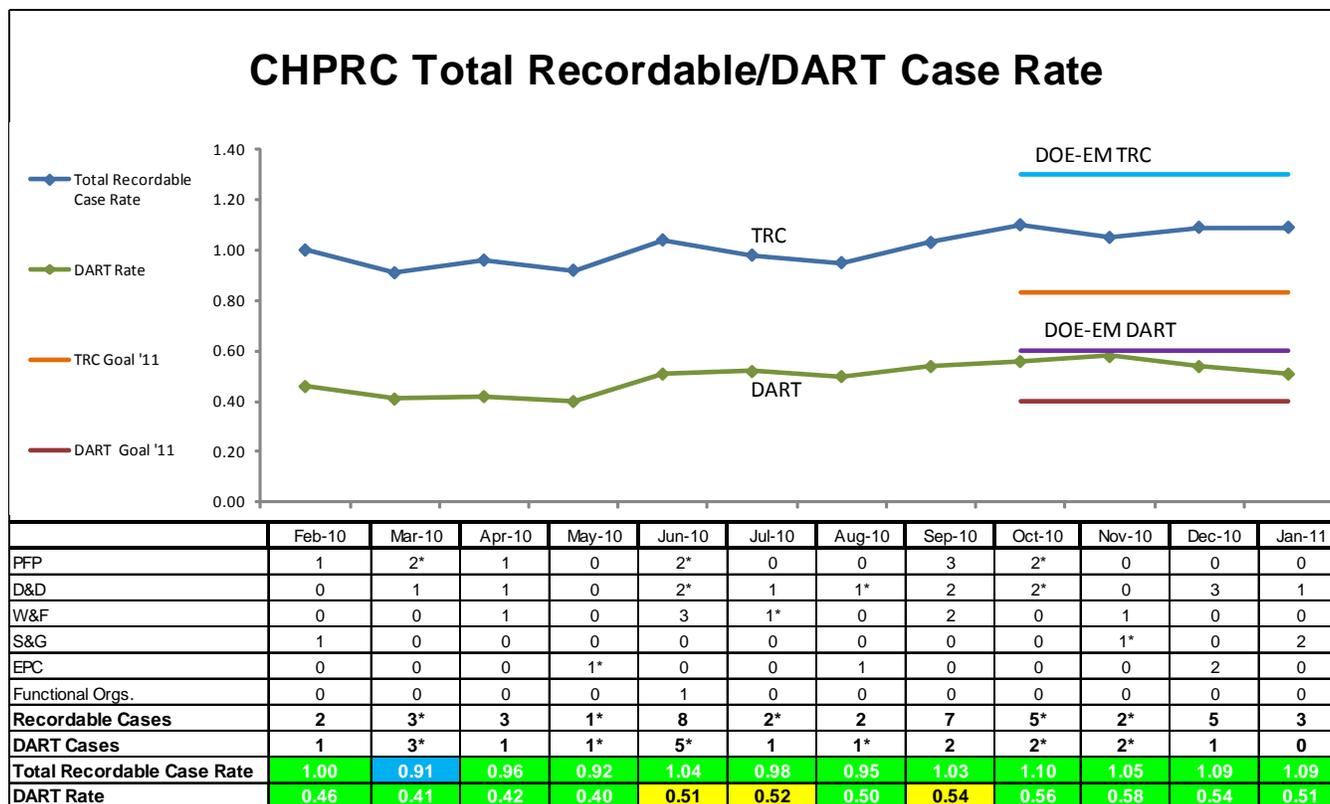
In continuing efforts to improve radiation detection capability and enhance project radiological characterization data, CHPRC Radiation Protection Programs established their final radiation detection system, a gamma Spectrometer. The new system completes a comprehensive effort to provide improved radiological hazard identification capabilities to support work planning, internal dosimetry, and radiological release programs at the project level. The company's calendar year 2011 As Low As Reasonably Achievable Dose Goal was established and the year-end dosimeter exchange completed in record time.

Emergency preparedness coordinated a dozen drills, including five operational drills and the 12B readiness assessment demonstration. Emphasis on emergency and upset condition response continues to improve our readiness in this essential program.

Safety Tailgate topics for the month of January included information and lessons learned on the use/maintenance of handrails and walking surfaces. VPP focus areas were included in each weekly issue, as were Human Performance Improvement Tools for Success. The risk of scope creep and how to recognize it was discussed, as was overhead electrical safety, improvements in safety and health program, cold weather protection, post-job reviews, and how to obtain one of our new emergency badge cards.

## TARGET ZERO PERFORMANCE January 2010

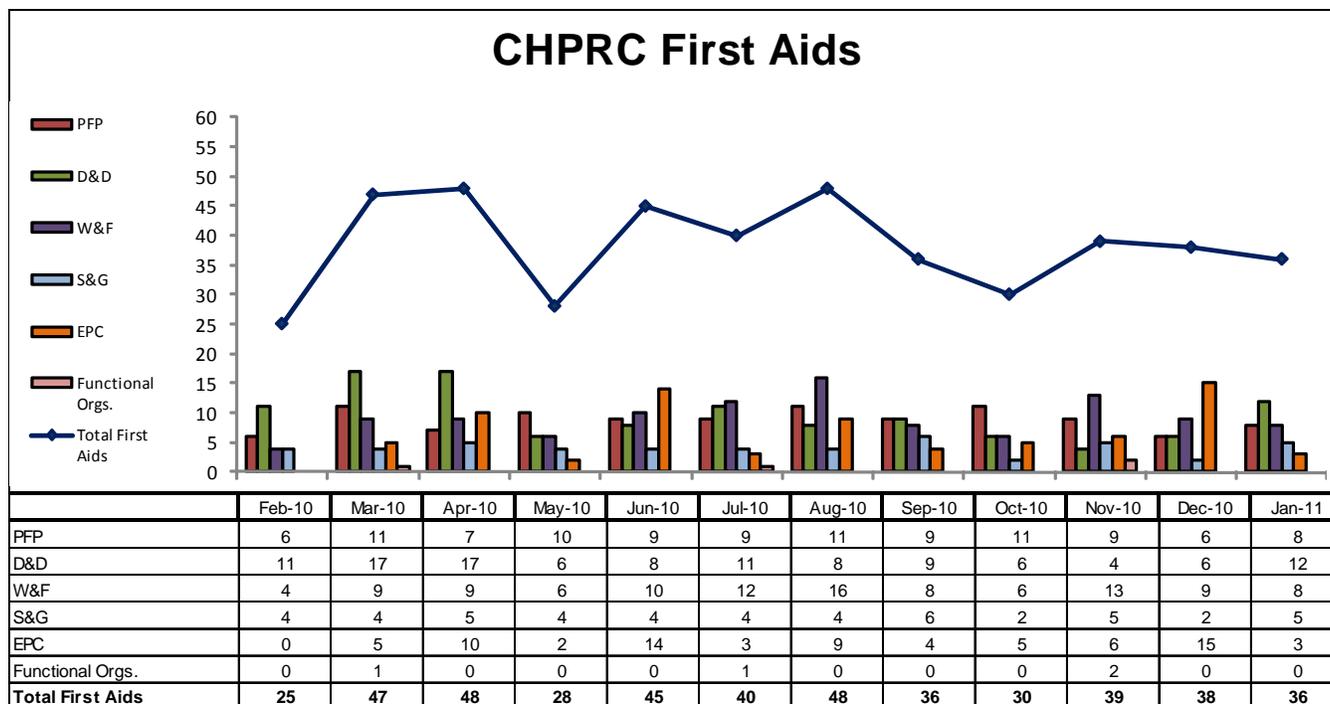
CHPRC continued focusing on integrating safety programs in all program and project areas.



**Total Recordable Injury Case (TRC) Rate** – The 12-month rolling average TRC rate of 1.09 is based upon a total of 43 recordable injuries for the period. There were three recordable cases in January. One recordable case in November resulted in Days Away. Three cases are currently under review requiring additional information.

**Days Away, Restricted or Transferred (DART) Workdays Case Rate** – The 12-month rolling average DART rate of 0.51 is based upon a total of 20 cases (15 Days Away, 5 Restricted).

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



**First Aid Case Summary** – Thirty-six first aid cases reported in January. The biggest contributors were 15 sprains, strains and/or pains, eight abrasions or bruises from contact with objects. Twenty-five percent (9) of the first aids were from slips/trips/falls resulting in injuries to the back and lower extremities (~56 percent due to weather). Most of the other injuries were sprains/strains from awkward positioning, overexertion or abrasions where they struck an extremity against an object.

## PROGRAM SUMMARIES

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

CHPRC continues to support the Hanford Site Corrective Action Plan (CAP) for improving the Site’s Chronic Beryllium Disease Prevention Program (CBDPP). In January, CHPRC began a series of meetings with DOE Office of River Protection (ORP), the Beryllium Awareness Group members, HAMTC, and other Hanford contractors to re-baseline the remaining CAP actions following a new “systems” approach developed by RL. The remaining actions will be binned into categories and prioritized. Draft processes for a category will be developed by consensus of all the stakeholders under ORP oversight. Once the processes are developed, an implementation plan will be completed.

In support of the Hanford Site CAP and CBDPP, completion of the scope, process, and schedule for the evaluation of electrical power control and distribution equipment has been a top priority for CHPRC. A draft management directive is under development to provide guidance to quantitatively assess potential airborne exposure and surface contamination spread from beryllium alloys in electrical components.

CHPRC is partnering with RL on the Intergrated Corrective Action plan. This mutually agreed upon plan will include actions related to the Conditional Payment of Fee letter, Plutonium Finishing Plant ‘R’ report, Integrated Safety Management System Phase 2, self assessment/preformance trending, and work management. It is anticipated to be transmitted to RL in February 2011.

## Environmental Program and Strategic Planning (EPSP)

Environmental Management System work is on schedule to complete FY2011 Environmental Management System Objectives and Targets.

EPSP assisted RL in the dispute process notifications and meetings for the M-16-140 Milestone relating to work plans for K West Basin Sludge treatment and packaging. The dispute has been resolved and work plans will be prepared and submitted as scheduled.

Ecology conducted a compliance inspection of the Waste Analysis Plan for WRAP.

RL granted approval to proceed with the 100K water intake structure demolition based on completion of resource protection consultations with state and federal agencies, and tribes.

CHPRC prepared, and the Hanford National Environmental Policy Act (NEPA) Compliance Officer approved, a NEPA categorical exclusion document for replacement of the high-efficiency particulate air filters at the Waste Encapsulation and Storage Facility (WESF).

To support the streamlining of the CHPRC Work Management process and procedure (PRC-PRO-12115), a revision to the main Environmental Protection procedure PRC-PRO-15333 that incorporates this streamlining was issued.

A Compliance Assurance Toxic Substances Control Act/Poly-chlorinated Biphenyls (PCB) assessment was issued as the first of the planned, quarterly in-depth compliance assessments being conducted for the Environmental Protection's Compliance Program. The assessment will result in a number of important improvements to PCB tracking and reporting.

Environmental Review and Quality Assurance continued leading the development of the Data Quality Objectives (DQO), Sampling Analysis Plan (SAP), and associated Quality Assurance Project Plan for sampling beryllium.

CHPRC completed the following surveillances:

- QA-EQA-SURV-11-06 – Transportation Safety Document Permitting Closure, resulted in no findings or Opportunities for Improvement (OFI)
- EP&SP-2011-SURV-10417 –Review Calibration frequency requirements for the annual stack effluent monitor functional test of 296-Z-7, resulted in three OFIs

Independent Assessment Completed:

- CHPRC-EQA-IA-11-01-Hanford Analytical Services Quality Assurance Requirements Document resulted in five findings and one OFI

Strategic Planning prepared summary information on Hanford's plutonium in waste inventory for RL. This information will be used to update the 1994 inventory in DOE-HQ's document *Plutonium: The First 50 Years*. DOE-HQ is preparing the information in response to a request from the White House for an updated report by early March 2011.

## Business Services and Project Controls

CHPRC approved and implemented twelve baseline change requests, of which three were administrative in nature, and did not change budget, schedule or scope.

Overall the contract period performance management baseline (PMB) budget was increased \$63.9M in January 2011. Management reserve, in the amount of \$501K, was used in Project Baseline Summary (PBS) RL-0041 on American Recovery & Reinvestment Act scope for realized risk PRC-051, "Investment in Schedule Acceleration/Recovery".

CHPRC continued to work with RL and KPMG in the review of Change Proposals that will be included in negotiations scheduled for March 2011.

During January, Prime Contracts received and processed eight contract modifications (numbers 105, 133, 134, 137, 138, 139, 140, and 142) from RL. The Correspondence Review Team reviewed and determined distribution for 56 incoming letters and the Prime Contract Manager reviewed 56 outgoing correspondence packages.

During the month of January, there were several partnering meetings with the client to review/discuss draft notice of change and differing site condition letters.

Deliveries commenced for two additional five-wide mobile offices and two mobile restroom facilities required to support the remaining space requirements for the S&GRP. These facilities are expected to be ready for occupancy in early March.

Occupancy of the second shop facility in the unsecured core area of 200E (S&GW Building 1-2610E) was obtained on January 28, 2011. The EPC Buildings 1 and 2 – 2269E and 2611E are scheduled for occupancy on February 2, 2011.

The procurement group awarded 158 new contracts with a total value of \$24.5M, amended 496 existing contracts with a total value of \$12.8M, and awarded 400 new purchase orders valued at \$1.4M to support Base/ARRA acceleration objectives.

As measured at the end of the first 28 months, CHPRC's procurement volume has been significant; \$1.58B in contract activity has been recorded with approximately 49 percent or \$779M in awards to small businesses. ARRA funded activity totals 43 percent or \$686M of the grand total. This includes 4,793 contract releases, 7,886 purchase orders, and over 142,900 P-Card transactions.

In an effort to support and increase our socioeconomic percentages, CHPRC Procurement assumed responsibility for the procurement of all Fluor Federal Services (FFS) construction materials. Procurement led this effort with support from EPC and required coordination with all disciplines in the overall process including, but not limited to, Design Authorities, Quality Assurance, Project Management, and Receiving. This change resulted in four FFS procurement personnel being transferred to the CHPRC procurement organization to assist in this endeavor. This action was effective January 31, 2011.

Material Services worked with Lockheed Martin Services, Inc. (LMSI) to add a Tagging Required indicator to the P-Card Transaction Approval report. This addition to the report will give Approving Managers visibility if items requiring tagging are requested to be tagged.

Material Services worked with the CHPRC Procurement Crystal Report writer to create a report on items requiring tagging. The report is being sent to Facilities and Property Management each week. Material Services and the P-Card Administrator have been working with LMSI Integrated Document Management System (IDMS) experts to establish the appropriate structure for scanning P-Card documentation into IDMS.

The P-Card Administrator has been training interns on conducting thorough P-Card file reviews. The spare parts subject matter expert has been training one of the interns as his PassPort backup. Material Services worked with Finance to add complete P-Card log number data to financial reports. This change was agreed upon by other contractors and implemented by MSA.

During January, two Declaration of Excess documents were created and processed from Spare Parts inventory. Fast Flux Test Facility (FFTF) heating, ventilation, and air conditioning equipment totaling \$6,735 and PFP Stabilization and Packaging Equipment totaling \$200,421 were identified, for a total of \$207,156 worth of inventory.

CHPRC worked with MSA to disposition approximately 40 spare part Catalog Identification Numbers (Cat IDs) associated with CHPRC buildings that have been demolished. The Design Authorities owning

the parts decided that roughly half of them could be excessed, and the other half would be kept as spares for equivalent equipment in other buildings.

CHPRC assisted in returning a PFP rate meter module to the manufacturer Canberra. A new desk instruction completed last year proved useful in making sure no steps were missed.

Working with PFP and MSA, Interface Management led the development of a recovery plan to insure breathing air hoses meeting Hanford standards were being procured in adequate numbers to meet PFP D&D needs. As a part of this effort, Interface Management participated in a joint MSA/CHPRC visit to the hose manufacturer to discuss quality issues with their product and their efforts to address them.

Interface Management assisted the D&D Project coordinate with AMH, MSA, and Washington River Protection Solutions (WRPS) in the impacts of the planned explosive demolition at the 200W and 200E Power Houses on Other Hanford Contractor activities.

Working with the D&D Project and Washington Closure Hanford (WCH), Interface Management supported development and approval of a new Administrative Interface Agreement (AIA) addressing roles and responsibilities for transfer of Spent Nuclear Fuel from the WCH 100-D and 100-H Burial Ground Waste Sites to the CHPRC 105-KW Fuel Storage Basin.

Working with the W&FM Project and Washington TRU Solutions CCP, Interface Management supported the fast track development and CHPRC approval of a revision to the CCP/CHPRC Memorandum of Agreement, MOA-CHPRC-CCP-2010, Revision 2, *Performance of Transuranic Waste Characterization and Certification Activities at Hanford*.

Interface Management supported development and approval of a revision to the AIA between CHPRC and MSA, PNNL, WCH, and WRPS for Hanford Environmental Data Integration.

Working with EPC, Interface Management supported development of an update to the AIA between CHPRC and the MSA for *Welding and Materials Engineering Services and Welding Services*. Approval of the update is pending.

Working with the W&FM Project and WRPS, Interface Management initiated transition away from direct interface agreements with BNI to comply with RL's expectations, defined in the DOE J.3, "Hanford Site Services and Interface Requirements Matrix," for WRPS to perform required interface activities with Hanford Other Contractors that are associated with the Waste Treatment and Immobilization Plant.

Working with MSA and WRPS, Interface Management reached agreement on an update to the Service Definition Document for Crane & Rigging that clarifies requirements for interface with MSA Crane & Rigging for critical lifts.

Interface Management led efforts to resolve issues associated with MSA use of Pit 34, which is assigned to CHPRC. MSA and CHPRC reached agreement that transfer of Pit 34 to MSA would resolve these issues.

Interface Management continued to work with MSA to resolve concerns with the FY2011 changes in the MSA rate structures for Analytical Services, Crane and Rigging Services, Facility Services, Motor Carrier Services, and Roads and Grounds Services.

To help improve Advance Med Hanford medical exams, Interface Management shared "lessons learned" associated with implementation of Employee Job Task Analysis's (EJTAs) and AMH exams for subcontractors with the DOE sponsored team tasked with improving the EJTA process.

Interface Management worked with PFP and MSA Strategy & External Affairs to support the kickoff of MSA's development of a third revision to the proposed Infrastructure and Site Services Alignment Plan that will be submitted to RL in June 2011.

Interface Management continued to work with MSA and WPRS to address RL comments on changes to the draft Hanford Site Interface Management Plan.

Along with representatives of Other Hanford Contractors, Interface Management supported the MSA led, RL sponsored, initiative to develop Greenhouse Gas Reduction Feasibility Studies.

Working with PFP and MSA, Interface Management facilitated the cancellation of an outdated interface agreement, *Facility Operations Agreement Covering the Plutonium Finishing Plant and the Hanford Fire Department*, generated in 2001 prior to MSC and PRC.

Working with S&GRP and MSA Biological Control, Interface Management facilitated resolution of employee concerns regarding the use of glue board traps for rodent control in industrial facilities. Glue board traps are the standard method used by MSA Biological Control for control of rodents and other pests. MSA has agreed to utilize other methods of pest control at S&GRP facilities.

Interface Management supported W&FM Project's efforts to develop the Transportation Security Plan.

### **Engineering, Projects and Construction (EPC)**

Central Engineering (CE), in conjunction with EPC Preventive Maintenance/Corrective Maintenance Program Support personnel, finalized and approved an EPC Engineering Blanket Master Agreement (BMA). The BMA was awarded to two service disabled veteran owned companies on January 31, 2011. Initial requests for engineers have been submitted to the companies.

CE provided DOE O 413.3B, Program and Project Management for the Acquisition of Capital Assets, overview presentations to the Engineering Leadership Team on January 10, 2011 and at the Project Management Monthly Learning on January 13, 2011. The presentation provides a summary of changes between DOE O 413.3A and 413.3B and projects potential impacts to the PRC.

CE is leading the preparation of the WESF K1/K3 AG-1 Compliance Matrix. The Matrix will provide a detailed assessment of compliance to the AG-1 requirements and a detailed technical justification where exceptions/equivalencies will be requested. An interim final draft is scheduled for completion February 15, 2011. This experience has been beneficial to expanding Subject Matter Expert (SME) experience in this area within CHPRC. The matrix will be updated at completion of the Conceptual Design Report for inclusion with the Notice of Compliance submittal to the Washington State Department of Health on April 22, 2011.

CE supported WESF in the response to comment by a DOE-HQ reviewer on the WESF safety basis document for an event involving pool water loss and potential subsequent rise in temperature and its impact on the reinforced concrete pool structure due to the differential temperature between the inside and outside surfaces.

The Hanford Site Welding Committee (a Center of Expertise chaired by CE) met to discuss/review site-wide welding activities and issues. The regularly scheduled meetings are designed to provide a forum for communication among the several site entities and contractors (including CHPRC, MSA, WCH and WRPS) responsible for welding activities.

CE completed welder training and qualification testing for three MSA Fleet Maintenance Mechanics, in support of CHPRC Environmental Restoration Disposal Facility (ERDF) Container maintenance and repair activities.

CE performed a review/assessment, along with recommended disposition, of installed austenitic stainless steel piping associated with skid-mounted equipment at the 200 West Pump-and-Treat facility. At issue is discoloration (corrosion/oxidation) of piping at the weld areas. Overall workmanship appeared to be acceptable with exception of the discoloration – likely the result of improper weld cleaning.

CE participated in meeting with the Sludge Treatment Project (STP) and the Design consultant to discuss the draft SOW for structural and piping analysis of Engineered Container Retrieval and Transport System (ECRTS) process equipment and the seismic design criteria for the modified KW Annex.

CE provided support for the resolution of electrical issues associated with a 100K mobile office (PO43099) that will be used to support asbestos abatement activities. Final resolution required the relocation of the office electrical panel to a code compliant location. Work was completed on January 27, 2011.

CE responded to and resolved a concern from the DOE-HQ Chief of Nuclear Safety related to software validation.

### **Communications and Outreach**

CHPRC Public Affairs developed media stories that emphasized progress at the Hanford Site. DOE Headquarters and Environmental Protection Online (available at <http://eponline.com/articles/2011/01/11/doe-notes-work-progressing-at-hanford.aspx>) featured a year-end progress write-up by CHPRC. The January issue of the DOE-EM *Recovery News* newsletter featured CHPRC's top accomplishments with Recovery Act funding in 2010. For consideration in future issues and for a *Recovery Act News Flash*, CHPRC submitted a story about progress and implementation of new tools and techniques in glovebox removal.

The *Tri-City Herald* and RL's social networking sites worked with Public Affairs on feature stories of the completed construction of the 100-DX Groundwater Treatment Facility and *Northwest Public Radio* aired a story on the generational shift in the Hanford workforce that featured CHPRC employees Bob Heineman and Jenna Coddington.

CHPRC shared publicly with news outlets the message delivered to all CHPRC employees in response to the workforce restructuring announcement following Recovery Act funding. Company representatives participated in six media interviews with local media outlets.

Internal Communications supported the Integrated Corrective Action Plan (CAP) with actions associated with organization performance improvement. Elements focused on rollout of key company safety messages and expectations.

Project Communications continued supporting project employee meetings and Beryllium Awareness briefings. Business Services and W&FMP completed their briefings. Additional briefings will be held through the end of March.

Progress continues on the *Hanford Story* video library. Communications completed video scripts for two chapters and submitted to RL for review.

Public Involvement supported various public meetings and is preparing information on a Deep Vadose Zone 101 to educate stakeholders on RL's path forward. Plans are also in place for a visit from DOE-HQ officials to review the Deep Vadose Zone plan.

## PROJECT SUMMARIES

### **RL-0011 Nuclear Materials Stabilization and Disposition**

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

#### **ARRA**

Removal of plutonium-contaminated process equipment continued as a top priority in readying the PFP Complex for demolition, with a particular focus on removal of gloveboxes, hoods and associated piping and ductwork from the process, lab and vault areas. Modifications to the project baseline, via baseline change request, occurred this month, which incorporated the recovery plan. Recovery actions for the month were completed as planned, including deploying 30 experienced staff from other CHPRC projects, including 20 Nuclear Chemical Operators, eight Radiological Control Technicians and two first line supervisors. There were nine gloveboxes removed, and Phase II of process vacuum system piping removal was complete, with 81 feet removed this period. Only one foot of process transfer lines was removed; however, the crew tested and installed a new “chop box” for size reducing the piping which will improve efficiency in remaining removals. Insulator crews also removed asbestos from piping and ductwork, bringing the total linear footage completed at PFP with Recovery Act funds to 13,057 feet.

A total of 102 gloveboxes and hoods have been removed to date with Recovery Act funds. Of these, 85 have been shipped out of PFP for treatment or disposal and 11 have been staged for size reduction and disposal as transuranic waste. Five previously-removed gloveboxes were loaded for shipment out of PFP; three of these will be size reduced and packaged for offsite disposal as transuranic waste and two will be treated and packaged for onsite disposal as low level waste at ERDF. Size reduction operations continued in Room 172, to cut up and package two gloveboxes for disposal as TRU waste. As the pace of D&D work has accelerated at PFP, so have waste generation rates. CHPRC has now shipped approximately 2,724 cubic meters of waste from PFP with support from Recovery Act funds, including 2,325 cubic meters of low level and mixed low level waste, 376 cubic meters of TRU waste, and 23 cubic meters of nonradioactive waste.

All gloveboxes and hoods have now been removed from all but four of the 30 rooms in the Analytical, Standards, and Process Development Laboratories, and backside vaults that once contained gloveboxes or hoods. Work is ongoing in Rooms 145 and 152 of the Analytical Laboratory, with just one glovebox each, and Rooms 179 and 188 of the Plutonium Process Support Laboratory (PPSL), containing ten gloveboxes. The first two sections of conveyor HA-28 and glovebox HA-22 were removed and staged elsewhere, pending size reduction. Size reduction and removal of internal equipment from conveyors HC-3 and HC-4 continued. The airlock portion of conveyor HC-4 was removed and will be disposed as TRU waste. Phase 1 of the 234-5Z Floor Trench was also completed. The 242Z Americium Recovery Facility was successfully isolated from all plant electrical power and is now using temporary power for all applications. Intrusive D&D was initiated for the first time in this facility, with removal of miscellaneous waste from glovebox WT-5. Glovebox 642B was isolated from building ventilation and removed. Process equipment removal and chemical decontamination of Glovebox 642A was performed, completing the last of nine boxes in the vault support complex.

#### **Base**

**236Z Plutonium Reclamation Facility** – Pencil tank assembly 17 (Tank 17), which was damaged in 1993, was removed from the maintenance cell, rotated, and placed back into the maintenance cell for size reduction. Size reduction tools and equipment were staged in preparation for the initiation of size reduction of Tank 17 planned for February.

Size reduction of the maintenance glovebox in Room 27 was initiated and is approximately 60 percent complete. In addition, the removal of the charging, loading and canning gloveboxes was completed, removed from the E-4 systems, and staged for transfer to Room 27 for size reduction.

### **RL-0012 Spent Nuclear Fuel Stabilization and Disposition**

STP and 100K Operations personnel completed the sampling campaign, by shipping the last and final sludge samples from Engineered Container – 210 to PNNL for characterization and analysis. This completes three years of design, testing, procurement, construction, and operations. The list of organizations and individuals who contributed their expertise to achieve the milestone of sampling and retrieving sludge was extensive. They collectively shared in the success of this first-of-a-kind work that was performed safely, with no accidents, injuries or uptakes incurred.

The KOP subproject has submitted the Fuel Special Packaging Authorization (F-SPA) Shipment Evaluation Checklist (SEC) for the KOP material that will be shipped in the Multi-Canister Overpack (MCO) cask to RL for review and approval. Material was also included to support Type A equivalency determinations for the MCO and the MCO cask; an IP-2 equivalency determination for the copper inserts; the tie down analysis from the existing MCO cask safety analysis report for packaging; structural, shielding, thermal, and gas generation analyses; and the Critical Safety Evaluation Report. The subproject personnel also provided the K Basin Engineered Container Sludge and KOP removal Remedial Design/Remedial Action Work Plan (RD/RAWP) to the U.S. Environmental Protection Agency for review and comment. Approval of this document will enable K Basins Operations to proceed with KOP Pretreatment activities and early modification of the K West Basin Annex for the ECRTS. Thermal calculations for drying KOP product material at the Cold Vacuum Drying Facility (CVDF) were completed by Fauske Associates and delivered to CHPRC as document FAI/10-335. This analysis establishes defensible predictions for the behavior of MCOs containing KOP material for normal, off normal, and accident conditions at CVDF. The results show that MCOs containing KOP product material can be dried effectively and efficiently, that systems are thermally stable with a broad margin, and that hydrogen generation is within expectations. These calculations will support the process technical basis and formal safety documentation. In addition, the KOP testing mezzanine was installed at the Maintenance and Storage Facility (MASF) and the pre-treatment test hardware and support equipment has been placed and testing initiated. KOP simulant was processed through the wire separations device. Preliminary data is being reviewed by the KOP staff. A curve will be developed that correlates the processing time required to achieve varying levels of separation of the aluminum wire and tungsten simulant. This information will be used to facilitate disposal of the aluminum wire material using accepted K West Basin disposal paths for waste handling. The next phase of testing will involve the density separations equipment.

The ECRTS subproject initiated the Preliminary Design Control Decision meetings this month. Also the draft F-SPA Checklist for the transport of the K East Basin containerized sludge is going through internal CHPRC review. The F-SPA checklist and supporting documents evaluated the transport of the KE Basin sludge (assuming current design basis values) within the Sludge Transport System/Sludge Transfer Storage Cask with the addition of an IP-2 cover. The checklist concludes that up to three cubic meters of K East Basin sludge can be transported safely within the F-SPA's limitations. The draft checklist will be sent to the Assist Team at Savannah River National Laboratory for an external review prior to issuance to RL. In addition, the focus of the MASF Engineers supporting this subproject has been on the preparations/installation of the half EC and Bredel pump into the K West Basin pool mockup, leading to the start of Technology Readiness Level – 6 Integration testing, which is expected to start next month.

The Phase 2 Technology Evaluation contracts are nearing completion. This month Ceradyne Boron Products submitted their final laboratory report on pre-oxidation of uranium metal with peroxide plus iron catalyst. AREVA started work on comment resolution from earlier discussions regarding the description and basis for the remote operations and maintenance concepts required in the pre-conceptual facility design and the Technology Readiness evaluations. AREVA is also still monitoring the 100-gram Uranium prototypic PNNL test and incorporation of comments on remote operations and maintenance. In addition, the first draft of supplemental engineering information for hydrogen mitigation using nitrate addition, oxidation by carbonate/peroxide, and oxidation by Fenton's reagent was developed for review.

Members of the STP staff provided briefings this week to several staff members from the Defense Nuclear Facility Safety Board (DNFSB). Topics included all aspects of STP but focused on the upcoming activities associated with KOP pretreatment and KOP processing system. Additionally, items raised in a recent Board letter, discussing staff reviews of STP, were also addressed. The review included a tour of testing activities currently being conducted and future planned tests at MASF. Closing comments indicated that the presentations were complete and the conversations were candid and helpful in the evaluation of the status of the project. STP believes that further discussions will be necessary, but an accurate foundation has been laid for those discussions.

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

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

#### **ARRA**

Weekly and monthly Recovery Act Reporting continued. Work continued on a "middle-ware" utility to provide an accessible, user friendly and comprehensive interface for waste inventory, forecast, and reporting data. Mixed/Low Level Waste: M-91-42 – shipped 17 m<sup>3</sup> and completed 18 m<sup>3</sup> during the month; M-91-43 - Shipped 12 m<sup>3</sup> and completed 13 m<sup>3</sup> during the month. TRU Retrieval removed constructed shoring box, and shipped 3A Trench 17 Box 13 (54.4 m<sup>3</sup>); shipped one 3A Trench 8 container to Central Waste Complex (CWC) (49.1 m<sup>3</sup>); removed and assayed 3A Trench 17 Box 19 (11.0 m<sup>3</sup>). Next Generation Retrieval successfully completed Trench Face Retrieval and Characterization System (TFRCS) Readiness Assessment. TRU Repackaging supported the shipment of three TRUM gloveboxes out of the PFP to PFNW, TRU Disposition continued TRU Waste Shipments to Idaho's Advanced Mixed Waste Treatment Project.

#### **Base**

The W&FMP continued maintaining facilities in a safe and compliant condition. Continued roof upgrades for the WESF. The Canister Storage Building/Interim Storage Area completed annual mega-door inspection. T-Plant completed Beryllium training for 92 percent of Operations staff and 69 percent of Radiation Control personnel. CWC shipped seven on-site transfers (134 containers); received 23 on-site transfers (1017 containers); shipped three off-site shipments (25 containers); and received one offsite shipment, 31 containers. Low-level Burial Ground Mixed Waste Trench – received seven offsite shipments, 20 containers to LEF, received 59 tankers (118K gallons), sent 2.6M gallons treated effluent to State-Approved Land Disposal Site, and continued with Basin 43 Processing Campaign (processed 2.6M gallons).

### **RL-0030 Soil, Groundwater and Vadose Zone Remediation**

#### **ARRA**

Recovery Act dollars are at work across the Central Plateau and along the Columbia River constructing two groundwater treatment facilities and drilling wells that will be used for monitoring, extracting, and

remediating groundwater. Progress through the end of the fiscal month January is summarized in the table below.

Activity	January		Cumulative	
	Planned	Completed	Planned	Completed
Well Drilling (# of wells) -352	12	7	321	298
Well Decommissioning (# of wells) -350	13	2	226	188
100 DX P&T – Construction/Startup (percent)	-	-	100	100
200 West P&T – Final Design (percent)	-	-	100	100
200 West P&T – Construction (percent)	4	7	47	46
200 West P&T – Testing/Startup (percent)	6	3	37	36

### **Base**

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

- 238 well locations were sampled with a total of 1,211 samples being collected
- 88 aquifer tube samples collected from 24 tubes at 14 locations
- 18.3M gallons groundwater treated by ZP-1 treatment facility
- 21.4M gallons groundwater treated by KX treatment facility
- 8.85M gallons groundwater treated by KW treatment facility
- 4.4M gallons groundwater treated by KR-4 treatment facility
- 8.6M gallons groundwater treated by HR-3 treatment facility
- 1.2M gallons groundwater treated by DR-5 treatment facility
- 21.2M gallons groundwater treated by DX treatment facility
- 83.95M gallons of groundwater treated total

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

#### **ARRA**

Completed the final surveys for 224U and 224UA

Upper Arid Lands Ecology (ALE) closeout paperwork and power pole removal continues

Efforts have begun at U Canyon on grout supporting activities. Core drilling continues and material staging area preparation has started for grout.

The 209E facility continued with characterization including visual inspection of tanks. NDA activities continued on tanks and pipes within the facility. Continued preparation activities and equipment removal of HO-200 for dismantling. Completed filling and NDA of three SWBs.

Asbestos abatement in 284E Powerhouse is complete, final cleanup and demobilization is ongoing, and began mobilization for demolition

Cold and dark and characterization activities continued in 200 West structures. The explosive demolition planning is ongoing. Completed demolition activities on 284WB Power Boiler Plant.

Cleanup of North Slope debris pile sites continues

CERCLA documentation for railcars has been approved; visual inspection of the railcars was completed and work planning for the next phases continues.

Remediation activities continued in the Outer Zone at BC Control area, CW-3 waste sites, and Model Group (MG)-1 waste sites. BC Control Area removed approximately 25,000 tons of soil in January; approximately 127 acres of BC Control Area, Zone A, have been cleared. The closure documentation has been submitted for CW-3 waste sites 216-N-4 and 216-N-6. Initial excavation completed on Model Group (MG-1) waste site 200-W-147-PL is contingent upon sampling which is anticipated in February. Sampling/surveys have been completed on 17 MG-1 sites

### **Base**

Planned surveillance and maintenance (S&M) activities continue. Initial beryllium characterization sampling is in progress at REDOX, 231Z, and 222T.

CW-3 pipeline 600-286-PL and 600-287-PL excavations are complete with backfill activities in process. Backfill is anticipated to complete in February or early March.

MG-1 staged clean fill dirt at waste site 600-38 and 600-222, backfill is anticipated to complete in February

### **RL-0041 Nuclear Facility D&D, River Corridor**

#### **ARRA**

##### **Facilities**

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

Work continues on 105KE Reactor Disposition Site Preparation / Phase I Demolition - Interim Safe Storage (ISS) activities to demolish the East and West Annexes

Continued demolition for below-grade portions of the 115KE Gas Recirculation Building and 117KE Exhaust Air Filter Building

Continued characterization of the 181KE River Pump House/1605KE Guard House and the 183.1KE Head House and adjacent tanks

Issued a contract for the disposal of stock-piled debris from the 183.2KW Sedimentation Basin Complex.

Planned for deactivation on the 183.4KE Clear Well, 183.4KW Clear Well, and 190KW Main Pump House.

Continued asbestos removal on the 190KE Main Pump House

##### **Waste Sites**

Continued removal of the 116-KE-1 Condensate Crib. Spoils excavated and removed from the waste site to this point are being screened and segregated for backfill at a later date. Previous work on this site indicated that contamination will be encountered around 30 feet below ground level.

Continued cleanup around the 100-K-42 Fuel Storage Basin and associated discharge chute removal

Began the planning for soil characterization beneath the 105KE Reactor (118-KE-1) using Direct Push Technology

Extensive coordination is occurring with Deactivation, Decommission, Decontamination, and Demolition (D4) and the utility upgrade project to minimize impacts

Remove, Treat and Dispose (RTD) work on 100-K-57 has not been initiated as the Cultural Review process has not been completed. Sites associated with the cultural mitigation plan are currently in jeopardy of missing TPA milestone M-016-053 dated December 31, 2012.

Continued waste site remediation of the below listed RTD sites:

Active Excavation on ARRA Waste Sites and Sub-Grade Structures	Jan 2011	
	Tons	Loads
100-K-42	3,513	211
115KE	1,193	62
117KE	607	31
100-K-53	2,244	111
<b>Monthly Total</b>	<b>7,557</b>	<b>415</b>
<b>Previous Cumulative (all sites under ARRA)</b>	<b>73,563</b>	<b>4,239</b>
<b>ARRA Cumulative (FY2009 to Date)</b>	<b>81,120</b>	<b>4,654</b>

### Other

Sludge vacuuming has been completed in the K West Basin. Eight hundred sixty two of 1,025 debris units have been removed or dispositioned from the K West Basin to date.

**Heating, Ventilation and Air Conditioning (HVAC) Project:** HVAC equipment is in full sustained operation and performing as anticipated, providing a more suitable environment for K West Basin employees. All punch list field work is complete.

**Electrical Project:** Continued work to close out punch list activities necessary to complete transitioning from the existing A-7 yard to the new A-9 yard/substation. Included is the drilling of the first of two grounding wells near the new A-9 substation. Transfer of electrical loads from A-7 substation to the new A-9 yard/substation is scheduled with Bonneville Power Administration for late February.

**Water Project:** Operational testing of the microfiltration unit has been completed. Redesign of the building's fire sprinkler systems, fire alarm system, interior fire wall construction, diesel fire pump piping, and fire tank instrumentation are complete with installation continuing. Transition to the new potable water system has been planned for mid-February.

### Base

#### Facilities

Continued asbestos removal in the 105KE Process Water Tunnel

Continued preparations to demolish the 110KW Gas Storage Facility

Continued deactivation of the 115KW Gas Recirculation Building and 117KW Exhaust Air Filter Building

Began draining water from the 183.2KW Sedimentation Basin in preparation for transition to the new water system in mid-February

Continued below-grade demolition of the 1706KE Radiation Control Counting Laboratory. Issued the subcontract for the 1706KER Water Studies Recirculation Building below-grade demolition.

105KE Reactor ISS Engineering/Planning activities have begun for the design and construction of the Reactor Building Safe Storage Enclosure (SSE)

## Waste Sites

Completed removal and disposal of the 100-K-3 pipeline

Continued work in 100-K-47 and 100-K-71 waste sites

Work was focused on priority ARRA sites and supporting building demolition

Continued waste site remediation of the below listed RTD sites:

Active Excavation on Base Waste Sites and Sub-Grade Structures	Jan 2011	
	Tons	Loads
100-K-47	1,429	67
100-K-71	820	38
1706-KE	1,242	70
<b>Monthly Total</b>	<b>3,491</b>	<b>175</b>
<b>Previous Cumulative (all sites under Base)</b>	<b>188,842</b>	<b>9,705</b>
<b>Base Cumulative (FY2009 to Date)</b>	<b>192,333</b>	<b>9,880</b>

## RL-0042 Fast Flux Test Facility (FFTF) Closure

The Fast Flux Test Facility (FFTF) is being maintained in a low-cost surveillance and maintenance condition. The 400 Area water system continues to operate providing service to other occupants of the 400 Area and water for fire protection. Deficiencies identified during the annual surveillance performed in March are being worked to resolution as resources permit. Roof leaks have developed that will require more than normal "patching". A BCR for the needed repairs will be submitted.

All scope within the FFTF Closure (RL-0042) project is base funded. There is no funding from ARRA.

## KEY ACCOMPLISHMENTS

### RL-0011 Nuclear Materials Stabilization and Disposition

#### 11.02 Maintain Safe and Compliant PFP – Base

- Nondestructive assay (NDA) was re-performed on the 291Z vacuum system piping as a result of the 291Z facility unexpected material holdup. The Potential Criticality Nonconformance Response Checklist documenting that the 291Z vacuum system piping is double contingent was revised. A Recovery Plan was issued to document safety basis document change actions that are needed.

#### 11.05 Disposition PFP Facility – Base

##### Plutonium Reclamation Facility (PRF)

- Size reduction of the maintenance glovebox in Room 27 was initiated and is approximately 60 percent complete. The first three sections have been transferred to Waste Operations for disposal.
- The removal of the charging, loading and canning gloveboxes is complete and the gloveboxes are staged for size reduction
- The installation of a new HVAC unit in PRF Room 70 was completed. This room is part of PRF's South Canyon Airlock and will be used as an access route for entering the PRF Canyon.

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

- In Remote Mechanical A (RMA) Line Room 235B, removal of the third of five total sections of conveyor HA-28 was completed. The airlock portion of conveyor HC-4 was also removed and will be disposed of as TRU waste in and Standard Waste Box (SWB). The first two sections of Conveyor HA-28 and Glovebox HA-22 which were removed and temporarily staged in Room 235B in December were removed from Room 235B and staged elsewhere pending size reduction. Use of the Aspigel® chemical decontamination method on Gloveboxes HA-19B1 and HA-19B2 continues.
- In RMA Line Room 232, the chemical decontamination of Glovebox HA-46 continued
- In RMA Line Room 235A-3 an external framework and shielding were installed around glovebox HA-9A to reduce dose to personnel performing D&D activities in this room. The installation of new gloves on gloveboxes in this room was also started.
- In Remote Mechanical C (RMC) Line Room 230C, the size reduction and removal of the internal equipment for conveyors HC-3 and HC-4 was completed
- In the Radioactive Acid Digestion Test Unit area, Room 235D, Glovebox 100 was activated and staged for making a cut to separate it from Glovebox 200
- Phase I of the 234-5Z Floor Trench Grouting was completed, which includes grouting of five trenches

#### **Analytical Laboratory**

- The 143-3, 4, and 5 gloveboxes were separated from their E4 connection and removed from the room. This completes all glovebox removals from Room 143. In addition, process equipment removal from the 145-1 and 152-522 gloveboxes commenced.

#### **Plutonium Process Support Laboratories (PPSL)**

- Commenced process equipment removal from the 179-2, 3, 4, 6, and 9 gloveboxes

#### **Disposition PFP (234-5Z) Facility**

- Process vacuum piping removal is 16 percent complete with 894 total feet removed
- A total of 346 feet of chemical piping transfer line has been removed
- 769 feet of asbestos-containing materials on piping was removed during the month of January bring the total to 13,057 feet of asbestos removed to date

#### **242Z Americium Recovery Facility**

- The Hazard Review Board successfully completed a review of both work packages for the clean out and size reduction of gloveboxes WT-2, WT-3, WT-4, and WT-5
- The 242Z Americium Recovery Facility was successfully isolated from all plant electrical power and is now using temporary power for all applications
- D&D activities were initiated on gloveboxes WT-4 and WT-5

#### **2736Z/ZB Vault Complex**

- Glovebox 642B was removed from ventilation and removed from the room for NDA
- Work commenced to establish criteria for down grade of the Z-7 stack

## **RL-0012 Spent Nuclear Fuel Stabilization and Disposition**

### **Sludge Treatment Project (STP)**

- Management Assessment DD-2011-MA-9299, MCO Components Material Storage, was completed and entered into the CHPRC Tracking System. This assessment documents the acceptability of current storage conditions and identifies MCO subcomponents that must be procured in support of the disposition of KOP product material. Additionally, this assessment documents the conclusions from the inspection of MCO scrap baskets and identifies those baskets that are acceptable for use in KOP Material disposition. Corrective actions were identified.
- In addition to the DNFSB staff review, the STP External Review Panel conducted a meeting this month to review ECRTS and KOP subprojects activities, and the Phase 2 Technology Evaluation progress. No new issues were identified during these discussions.
- Preliminary design of the ECRTS process equipment continued this month
- Design of the existing K West Annex modifications continued this month
- AREVA, the design agent for the K West Annex final modification, continued to advance the preliminary design this month
- Planning for the cost estimating and schedules to support the Phase 2 Technology Evaluation recommendation has been completed
- An annotated outline of the summary recommendation report and the supporting technical appendices has been developed to finalize planning for the alternatives evaluation process

## **RL-0013 Waste and Fuels Management Project**

### **ARRA**

#### **13.01 Project Management**

- Completed weekly and monthly ARRA reporting
- Continued Project Management support for high priority projects
- Continued work on a “middleware” utility to provide an accessible, user friendly, and comprehensive interface for waste inventory, forecast, and reporting data

#### **13.04 Mixed Low Level Waste (MLLW) Treatment**

- Shipped the first non-Department of Transportation MLLW package from the CWC to PFNW under the newly authorized Contaminated Equipment-Special Packaging Authorization (CE-SPA) SEC

#### **13.05 TRU Retrieval**

- Shipped one 3A Trench 8 container to CWC (49.1 m<sup>3</sup>)
- Excavated and removed last three 3A Trench 8 containers
- Excavated, reinforced, pre-assembled shoring box and readied 3A Trench 17 Box 13 (54.4 m<sup>3</sup>) for removal
- Removed and assayed 3A Trench 17 Box 19 (11.0 m<sup>3</sup>)
- Assayed three containers removed from 3A Trench 17
- Performed initial fogging of 3A Trench 17 Box 27 and pre-fabricated shoring box and roof
- Discovered and initiated mitigation of rodent infestation in 3A Trench 17
- Retrieved eight 4B Trench 11 waste containers (6.2 m<sup>3</sup>)

- Completed portable assay of four out of eight containers in Campaign #56
- Received 15 certified ISO platforms for waste container transport
- Next Generation Retrieval
  - Successfully completed TFRCs Readiness Assessment
  - Initiated excavation in 12B Trenches 17 and 27

### **13.06 Transuranic (TRU) Repackaging**

- 216-Z9 Repack Campaign
  - Formal Hold on processing pending completion of corrective actions for ensuring presence of a vent path prior to intrusive activities and process improvements to minimize the offspring sleeve breeches
- Remote Handled Program (RH)/Large Package Repackaging
  - Directly supported the shipment of three TRUM gloveboxes out of the PFP to PFNW for size reduction and repackaging
  - Size reduction of large-container TRUM waste packages shipped from CWC
    - The three PFP gloveboxes that were shipped in December were size reduced and repackaged in January
      - 78 m<sup>3</sup> of M/LLW dropout waste generated
      - 47 m<sup>3</sup> of TRU/M waste repackaged
    - Two additional PFP gloveboxes were shipped.
    - Initiated NDA of the repacked drums and boxes at PFNW

### **13.07 Waste Receiving and Processing Facility (WRAP)**

- Nondestructive examination (NDE): 345 drums (223 for Central Characterization Project (CCP))
- NDA: 512 drums (201 for CCP)
- Six SWBs were characterized on Super High Efficiency Neutron Counter (Super HENC) for CCP
- Flammable Gas Analysis Sampling: 564 drums
- Received 100 TRU drums and four SWBs from PFP
- Continued swing shift support for TRUPACT II shipments
- Completed CCP Super HENC calibration verifications
- Resumed non-Waste Isolation Pilot Plant (WIPP) NDE/NDA Type E waste drums
- Implemented Justification for Continuing Operation for Drum Lid Release
- Successfully completed MSA for Repack glovebox
  - Restarted Repack TRU glovebox operations
  - Initiated the Beryllium Negative Exposure Assessment
  - Completed the annual TRU glovebox Assays Baseline
- High Energy Real Time Radiography
  - Completed installation of pad and infrastructure
  - Supported CCP subcontractor in facility construction

### 13.15 TRU Disposition

- TRU Waste Shipment to Idaho: Current Month total – 17, total to date – 76
- Shipments to WIPP: Current Month total – zero, total to date – 60
- Contact Handled (CH) Program
  - CCP certified by the EPA and Certification letter issued by Carlsbad Field Office (CBFO)
  - Establishing WIPP shipping schedule for February
- Remote Handled Program (RH)
  - Completed Project Execution Plan (PEP)
  - Memorandum of Agreement and Interface Agreement in approval routing cycle
  - Completed Bargaining Unit discussions/interface to support Phase I – Characterization

### Base

### 13.02 Capsule Storage & Disposition

- WESF
  - Suspended construction on upper roof upgrades due to weather
  - Began pool cell cleaning
  - Began capsule relocation activities
  - Resumed Canyon maintenance activities
- WESF K1 & K3 Heating, Ventilation, and Air Conditioning Upgrades
  - Continued Conceptual Design Report (CDR) preparation
  - Issued CDR midpoint design package for informal review
  - RL reviewed and approved National Environmental Policy Act of 1969 EPA categorical exclusion
  - Received informal approval by RL to eliminate the deluge system in the filter system
  - Submitted Safety Design Strategy to RL for approval
  - Completed first review of Project Risk List
  - Initiated Statement of Work for follow on Preliminary/Final Design phase
  - Initiated revision to PEP
  - Continued development of the American Society of Mechanical Engineers Code on Nuclear Air and Gas Treatment Compliance Matrix
  - Completed change proposal preparation (currently routing for approval)

### 13.03 Canister Storage Building

- Completed MCO Cask #1 annual integrity test
- Completed MCO Handling Machine quarterly interlock tests
- Completed MCO H-010 relocation
- Completed annual mega-door inspection
- Completed portable generator hook-up at 2701HV
- Initiated 2701HV sidewalk upgrades

### 13.07 Waste Receiving and Processing Facility (WRAP)

- Maintained the facility in a safe and compliant condition

### 13.08 T Plant

- Received 37 container to T Plant
- Shipped 34 container from T Plant
- 90-mil Liner Lid Vent Verification Noncompliance
  - Completed preliminary causal analysis and established compensatory actions
  - Commenced compensatory actions to release formal hold on processing activities (expect release to occur week of February 7, 2011)
- Beryllium Program
  - 88 percent of remaining T Plant Operations personnel (one NCO that recently returned from short term disability, and waiting on one more blood result) and 95 percent of remaining T Plant RadCon personnel are now cleared Beryllium Workers

### 13.08 Central Waste Complex (CWC)

- Shipped three offsite shipments, 25 containers
- Shipped seven on-site transfers, 134 containers
- Received 23 on-site transfers, a total of 1,017 containers
- Received one offsite shipment, 31 containers
- Top Hat Box: supported MLLW Treatment of first three shipments to PFNW under new CE-SPA
- Box Assay: A total of 18 containers were assayed at the Central Waste Complex during this reporting period
- Sodium Drums: Overpacked 34 sodium drums and prepared for future shipment to Impact Services in Tennessee
- High Temperature Gas Reactor (HTGR): Void filled the remaining eight HTGR boxes at the Central Waste Complex
- Remote Handled TRU (RH-TRU) support: Crews consolidated 46 remote handled drums into 2402WG for the TRU program. Thirty three containers have been targeted for shipment to WIPP in late spring
- Fire Systems: Supported Fire Systems preventive maintenance packages
- Completed stored waste container inventory in the CWC and reconciled all discrepancies with Solid Waste Item Tracking System

### 13.11 Liquid Effluent Facilities (LEF)

- Received 59 tankers (118K gallons)
- Treated effluent to State-Approved Land Disposal Site: 2.6M gallons
- 200A Treated Effluent Disposal Facility discharged 128K gallons
- Received ERDF leachate (79K gallons) at Liquid Effluent Retention Facility Basin 44
- Continued operating the 300 Area Retention Transfer System (27 batches/901K gallons)

- Received ten drums of Vadose Zone condensate wastewater
- Received eleven drums of Waste Sampling and Characterization Facility wastewater
- Continued with Basin 43 Processing Campaign (processed 2.6M gallons)
- Received 1,000 gallons of 50 percent sodium hydroxide
- Completed monthly Effluent Treatment Facility (ETF) radiological process samples to support technical evaluation

### 13.12 Integrated Disposal Facility

- Completed all required inspections at the Integrated Disposal Facility

### 13.16 Off Site Spent Nuclear Facility (SNF) Disposition

- Slightly Irradiated Fuel Container Restraint System
  - Completed construction for Project W-105, Interim Storage Cask Pad #3 (or Container Restraint System)

### 13.21 Mixed Waste Disposal Trenches

- Received seven offsite shipments, 20 containers

## RL-0030 Soil and Groundwater Remediation

### ARRA - GW CAPITAL ASSET

Drilling	January		Cumulative	
	Planned	Completed	Planned	Completed
M-24 -5 wells	0	0	5	5
200-ZP-1 West P&T Expansion -17 wells	1	2	17	17
Drilling Total	1	2	22	22

### EPC Projects in Support of S&GRP - ARRA

- 200 West Area Groundwater Treatment Facility –Roofing and sheeting initiated at all six buildings (seventh building is S-SX which is base funded). Crews have placed approximately 98 percent of the containment slab on grade at all seven buildings. Mechanical, electrical and process rough in has been initiated at all six buildings. Government furnished equipment is maintaining delivery scheduled with all on schedule for arrival by March 28, 2011.
- 200E Unsecured Core Complex – S&GW1– Final walkdown performed, building turn-over completed

### EPC Projects in Support of S&GRP – Base

100-HX Groundwater Treatment Facility – Epoxy coating of Process Building floor completed. High-density polyethylene (HDPE) pipe installation is 60 percent complete. Installation of lighting, electrical panels, and conduit in the Process Building is underway. Installation of steel sleeves for HDPE pipe entry into the influent pipe vault in the Process Building is complete. H1 Transfer Building steel erection, wall, and roof sheeting is complete.

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

	January		Cumulative	
	Planned	Completed	Planned	Completed
KR-4 RPO – 4 wells	1	0	4	0
KR-4 Remedial Investigation/Feasibility Study (RI/FS) – 13 wells	1	1	12	8
100-NR-2 Barrier Emplacement – 171 wells	0	0	171	171
100-NR-2 RI/FS – 8 wells	1	0	5	0
100-HR-3 Bioremediation TT – 4 wells	1	0	2	0
100-HR-3 H Area RPO – 40 wells	0	0	40	37
100-HR-3 D Area RPO – 30 wells	0	0	30	30
100-HR-3 RI/FS – 15 wells	5	2	10	8
200-BP-5 “K” Well – 1 well	0	0	1	1
200-BP-5 “L” and “M” Well – 2 wells	0	0	2	2
100-BC-5 RI/FS – 10 wells	1	0	12	6
100-FR-3 – 3 wells	0	0	3	3
300 FF-5 RI/FS – 11 wells	1	2	7	10
Drilling Total	11	5	299	276
Decommissioning Total	13	2	226	188

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

Reached agreement with the agencies through the Senior Executive Council workgroups on:

- Use of a graded approach to developing soil cleanup values protective of ground water (including the use of Subsurface Transport Over Multiple Phases)
- Processes for developing soil cleanup values that are protective of ecological receptors (plants, invertebrates and wildlife)

**Integration Management:**

- Coordinated planning with WRPS technical staff to ensure construction of SX Tank Farm Evaporation Basin is fully integrated with CHPRC well monitoring operations
- Released Hanford Environmental Information System Sample Data Tracking module which increases the efficiency of sample collection scheduling by up to 75 percent
- Completed public release of the Hanford Site Waste Management Units Report. The report meets an annual Tri-Party Agreement commitment and is a formatted data extract from the Waste Information Data System.

**Risk and Modeling Integration Group:**

- Transmitted the FY2010 Composite Analysis, Integrated Disposal Facility, and Low-Level Burial Ground Performance Assessment annual updates to RL
- Initiated bioassay studies in development of the ecological preliminary remediation goals. Target analytes and sites to be sampled have been selected. A laboratory to conduct the bioassay studies has been selected and the contract vehicle put in place for the laboratory services.

## River Corridor

### 100-BC-5 Operable Unit - Base

- Construction of RI/FS wells C7783 and C7784 was completed. Drilling and sampling of well C8244 (replacement well for C7787) continued with the borehole being advanced to 160 feet below ground surface (ft bgs).
- Drilling and sampling of the last of six RI/FS wells, C7785, was initiated, and the borehole was advanced to 108 ft bgs
- Sampling of three RI/FS test pits was completed. With this, all of the test pit excavation and sampling activities for the RI/FS are now complete

### 100-KR-4 Operable Unit - Base

- KR-4 Pump-and-Treat System restarted on January 14, 2011 following Programmable Logic Controller (PLC) upgrades and well head modifications. Unattended operations to continue running the system overnight established on January 17, 2011.
- RI/FS drilling and sampling for eleven of thirteen wells completed.

### 100-NR-2 Operable Unit - Base

- The third round of spatial-and-temporal groundwater well sampling was initiated with all but one of the 26 wells now sampled
- The associated 100-N RI/FS SAP was finalized to a Rev. 0 to include the currently identified remedial-investigation activities prior to final approval of the work plan addendum. This Rev. 0 SAP was approved on January 3, 2011. The document was transmitted to RL on January 11, 2011.
- The Rev. 0 Jet Injection Design Optimization Study was approved by RL and Ecology on January 4, 2011. The document was transmitted to RL on January 13, 2011. Planning was initiated for implementation, including sub-contract modification and development of field test instructions and the description of work.

### 100-HR-3 Operable Unit - Base

- The new DX Pump-and-Treat System continued operating in preparation for operations test procedure activities. Operations activities focused on plant optimization and performance “tuning”.
- DR-5 and HR-3 operated at normal capacity (~27 gallons per minute (gpm) and 200 gpm, respectively)
- RI/FS well drilling and sampling continued with ten of fifteen wells completed
- RI/FS borehole drilling and sampling continued with eight of ten boreholes completed
- RI/FS test pit installations continued with three of five test pits completed
- An internal Draft Review of RI/FS Report chapters 1-3 was completed
- The Internal Draft Review of RI/FS Report chapters 8-10 has commenced

### 300-FF-5 Operable Unit - Base

- RI/FS drilling and sampling continued with ten of sixteen wells completed

### 100-FR-3 Operable Unit - Base

- As planned under approved TPA-CN-400, temporary aquifer sampling tubes were installed in the base of the 600-127 waste-site excavation. These tubes were installed to allow for the collection of groundwater samples from below the base of the excavation. These samples were

successfully collected on January 21, 2011. Sample analysis is underway. The Draft A Engineering Evaluation/Cost Analysis document proposing expedited remedial actions to be implemented for meeting TPA Target Date M-016-110-T01 was prepared for future regulatory review. Release of this document is on hold pending RL direction. Internal review comments on the associated Action Memorandum were evaluated for incorporation into the document.

### **Central Plateau**

#### **200-BP-5 Operable Unit – Base**

- Issued the final Rev.1 200-BP-5 Treatability Test Plan and initiated the design of the extraction system

#### **200-UP-1 Operable Unit – Base**

- Completed placement of structural fill and concrete work, and initiated the installation of steel for the S-SX transfer building

#### **200-ZP-1 Operable Unit - Base**

- Eleven of fourteen groundwater extraction wells are online pumping water at 429 gpm. Extraction well #5 is being kept offline due to low flow. Extraction wells 7 and 10 are currently frozen. They will be back on line as soon as temperatures rise.
- RL comments have been incorporated into the activated carbon and uranium resin testing reports. The final reports are currently being published.
- Completed the drilling and sampling for 20 of 24 wells needed for the first phase of operation for the 200 West Treatment Facility

### **Deep Vadose Zone - Base**

- Completed the preparation of the Request for Equitable Adjustment for High Air Flow Extraction Testing as requested through Change Order #74

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

#### **ARRA – U Plant/Other D&D**

- U Plant Regional Closure Zone (U Ancillary Facilities D&D)
  - Completed site surveys, equipment decontamination, and site stabilization
- U Canyon Demolition and Cell 30 Disposition
  - Core drilling activities continue. Grout conveyance equipment has begun to arrive on site.
- 200E Project
  - Completed demobilization activities at 284E Powerhouse; began mobilization for demolition
- 209E Project
  - Continued 209E characterization and cold and dark planning activities
  - Continued NDA activities on tanks and pipes within the facility. Continued internal inspection of tanks to verify the tanks are dry for removal activities (all but two tanks have been verified as dry).
  - Continued preparation activities and equipment removal on HO-200 for dismantling. Completed removal of Tank 108 and the two drum vessels within the tank. Began transition of the facility to temporary power to facilitate the isolation of systems and minimize the hazards associated with removal activities.
  - Began removal of HO-170 from the Critical Assembly Room. Completed filling and NDA of three SWBs.

- Applied fixative to HO-140 in preparation for final tank verification and NDA of the tank and hood
- 200W Project
  - Continued characterization and cold and dark activities
  - Completed exterior steam line abatement at 284W in preparation for explosive demolition
  - Continued Bio-Hazard remediation, beryllium clean-up, and wash down activities at 284W
  - CDI and Clauss Construction completed explosive building separations and stack preparations at 284W Powerhouse

### **ARRA – OUTER ZONE D&D**

- BC Controlled Area Waste Site Remediation
  - Remediation using super dump trucks continued with approximately 318,000 tons cumulative to date of soil removed and transferred to ERDF
  - CERCLA survey measurements have been completed for the first portion of Zone A (approximately 50 percent of the area)
- 200-CW-3 Waste Sites
  - The remaining sites verification package documentation for waste site 216-N-4 and 216-N-6 have been reviewed by RL and transmitted to regulators for review and approval
  - The remaining sites verification package for waste site 216-N-1 has been approved by RL with closure documentation forwarded to regulators for approval; CHPRC is resolving regulator comments
- MG-1
  - Reclassification/closure documentation for waste sites 200-E-110, UPR-600-21, 600-51, and 600-262 has been submitted for approval; CHPRC is incorporating regulatory agency comments
  - Site 600-37 is a Confirmatory Sampling No Further Action (CSNFA) site with confirmatory sampling completed. RL has reviewed the closure document and forwarded to the regulator.
  - Waste site 600-275 additional excavation was completed in January. Sampling has been performed with results expected in early February. Hauling of concrete debris is continuing and will complete in mid-February.
  - Initial excavation of pipeline 200-W-147-PL was completed. Sampling is anticipated in February.
  - Waste site 600-220 sampling has been completed and remove, treat, and dispose action is being planned
  - Waste site 600-226 verification sampling has been successfully completed and preparation of closure documentation is in progress
- ALE D&D
  - Power pole removal is ongoing
- NORTH SLOPE

- Continued with debris pile cleanup activities
- Completed No Potential to Cause Effect areas 10, 11, 12, 13 and 14
- RAILCARS
  - RAWP and Sampling Analysis Plan approved by EPA
  - Visual inspections and characterization of railcars is nearing completion
  - Continuing work planning for future phases
  - Scope of work for lift and haul of the railcars was put out for bid
  - Received approval from RL to transfer four railcars to B Reactor

### **Base**

- Excavation of 600-38 is complete and clean backfill has been staged. The closure documentation is in review with RL and the regulators.
- Excavation of pipeline 600-286-PL was completed. Verification sampling was performed in December and completion of remediation was verified. Backfill has been initiated.
- Excavation of previously failed CSNFA waste site 600-222 was initiated in October. Sampling in November identified further contamination and the area was further excavated. Subsequent sampling was favorable. Closure documentation was submitted to RL and the regulators for review.
- Beryllium sampling/characterization continued in REDOX, 231Z, and 222T
- Began planning of 6652PH equipment removal activities

### **RL-0041 Nuclear Facility D&D, River Corridor**

#### **ARRA**

##### **Facilities**

D4 completed demolition of the 105KE Reactor discharge chute

Continued 105KE Reactor Site Preparation / Phase I Demolition of the reactor building annex structures

Continued 115KE Gas Recirculation Building and 117KE Exhaust Air Filter Building below-grade demolition

The 181KE/181KW contracts were released for procuring a river silt barrier and stockpiling rip-rap to backfill during demolition

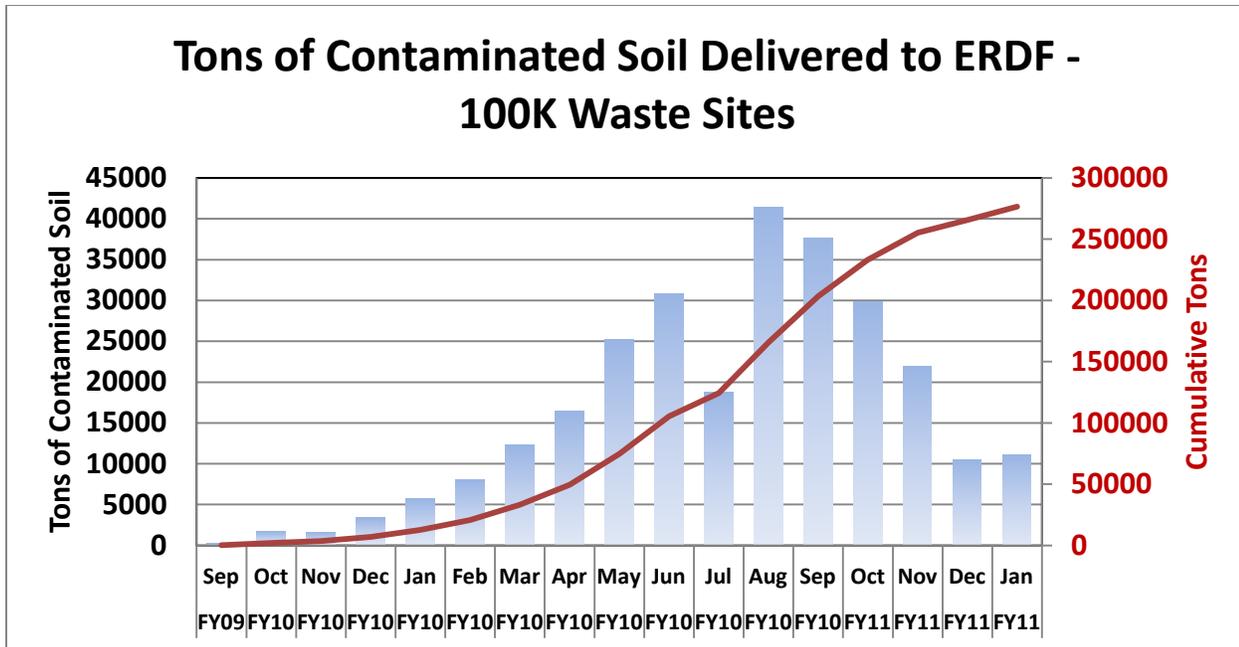
Asbestos removal continues in the 190KE Main Pump House. Materials stored in this building were moved to other storage areas.

Began 190KW Main Pump House scaffold installation and stringing electrical lights in preparation for asbestos removal

##### **Waste Sites**

Work identifying a process forward for elevated contamination beyond planned values for waste sites in TPA Phase 1 sites was worked with RL with formal direction pending

The majority of waste was removed and disposed at ERDF for the 105KE Fuel Storage Basin Discharge Chute materials. These materials have a substantial radiological inventory and require additional handling and packaging considerations.



**HVAC Project**

All punch list items are complete.

**Electrical Project**

Continued working closeout activities required for transitioning from A-7 yard to A-9 yard/substation in late February

Completed grounding grid evaluation on the A-9 switch yard

**Water Project**

Obtained subcontractor fire protection engineering support to resolve outstanding fire protection issues

Successfully reworked and corrected issues with fire protection design and installation

Submitted to Washington State Department of Health the Operational Performance Testing Report for the new Potable Water Treatment Plant on January 27, 2011

**Other**

Completed sludge vacuuming in the K West Basin, and continued to video and review for found fuel in the East Bay of the K West Basin. The Final Debris Campaign continued dispositioning 140 units in January, for a total of 862 leaving 163 units to go.

**Base**

**Facilities**

The 115KW Gas Recirculation Building asbestos removal continued. Completed an outage to isolate the electrical line in 115KW/117KW Exhaust Air Filter Building/119KW Exhaust Air Sampling Building from the 105KW Reactor Building.

Continued below-grade demolition of the 1706KE Radiation Control Counting Laboratory. The subcontractor for the below-grade demolition of 1706KER Water Studies Recirculation Building was awarded to the same vendor, which should allow these adjacent sites to be worked more efficiently.

Began draining water from the 183.2KW Sedimentation basin in preparation for transition to the new water system in mid February

Leased facility MO872, Radiation Control Trailer, was re-installed in its new location. The electrical power was installed and only HLAN drops remain to be done.

105KE Reactor ISS Engineering/Planning activities have begun for the design and construction of the Reactor Building SSE

### **Waste Sites**

Excavation of 100-K-63 is suspended waiting on data analyses to determine if the site currently meets the Remedial Action Goal of the record of decision

Closure work on waste sites 118-KE-2 and 118-KW-2 was initiated as D4 has completed removal of the sites

## **MAJOR ISSUES**

### **RL-0013 Waste and Fuels Management Project**

**Issue** – Avoid falling behind recovery plan to retrieve 2,500 m<sup>3</sup> by September 30, 2011

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

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

**Issue** – Approval of CCP RH Certification Baseline by June 2011 to support RH Shipments

**Corrective Action** – CCP and CHPRC accelerating initial characterization from March to February; CCP/ CBFO prioritizing approvals by EPA.

**Status** – Characterization scheduled for mid-February.

### **RL-0030 Soil and Groundwater Remediation**

**Issue** – There are several examples of extended comment review on CERCLA documents; the most significant being 200-PO-1 RI Report and 100-N RI/FS Work Plan Addendum and SAP. The issues on these documents are different, the 100-N review period has extended over seven months, and after each review, additional comments are received. Delay in the approval of the 100-N addendum has exceeded 220 days (past six months after providing the Draft A version of the document in December 2009). With the PO-1 documentation, two review extensions were requested and comments (draft) were not given until recently, but this has also stretched into a six-month effort.

**Corrective Actions** – Timelines and back-up information on these two specific documents have been prepared and provided to RL.

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

**Issue** - The 200W Pump-and-Treat Project is currently forecasting a variance at completion of \$24M. The primary drivers for the increased forecast are:

- Effect of final design/Issued for Construction (IFC) Issuance: Construction contract and Long Lead Equipment procurement contracts were issued prior to completion of final design. Contractors/vendors have submitted claims for changes resulting from IFC release and these are reflected in the project estimate at completion (EAC).

- **Construction Award Delay:** Contractor Notice to Proceed (NTP) was issued 28-days after their proposed start date, causing delays to construction activities. To mitigate this delay, overtime and additional work shifts have been employed at an increased cost. Additional costs will be expended to buy-back the construction critical path schedule and maintain the required KPP and Tri-Party Agreement milestone delivery dates.
- **Sludge Stabilization (Lime):** Originally base lined using an allowance based on planning-level design and assumptions. The estimate has been updated during each stage of design with the current EAC reflecting final design.

**Corrective Actions** - The project is working within RL-30 and with the RL Federal Project Director to mitigate the impact on funding due to the increase in the forecast of this project. Actions include:

- Project has a dedicated team managing contractor claims. Claims are reviewed and negotiated with the contractors for a fair and equitable disposition.
- Transfer of ARRA contingent scope, Startup and Testing support for Acceptance Test Procedure (ATP) and Operational Testing Plan and the Uranium Train Design, to BASE funded scope.
- Value management actions are identifying scope that can be deferred or deleted to reduce cost where appropriate.
- Working within CHPRC to identify and realize other funding options.
- The project continues to work with the DOE-RL team for options to resolve the funding issue.

**Status** – A BCR will be implemented in February for approved ARRA to BASE scope reassignments. The project is implementing cost reduction items identified in the value management workshops.

#### **RL-0041 Nuclear Facility D&D, River Corridor**

**Issue** – The remaining outages (electrical and water) will require significant integration with MSA and 100K Operations to minimize disruptions to existing activities.

**Corrective Action** – Established weekly meetings with MSA to coordinate outages and assure resources are available.

**Status** – An integrated schedule and MSA cost impacts were developed to identify outages for electrical and water projects and provide time for MSA and 100K Operations to minimize impacts.

**Issue** – Activities required for cultural resources evaluation in the eastern flood plain are delaying the start of waste site 100-K-57.

**Corrective Action** – Pursue a partial release to begin work in unaffected areas of 100-K-57 while a Cultural Resources Review is conducted. Develop a Cultural Mitigation Action Plan acceptable to stakeholders in order to release the rest of the site.

**Status** - Stakeholder approval of the Cultural Resources Review is anticipated in March. The need for further mitigation has not yet been determined.

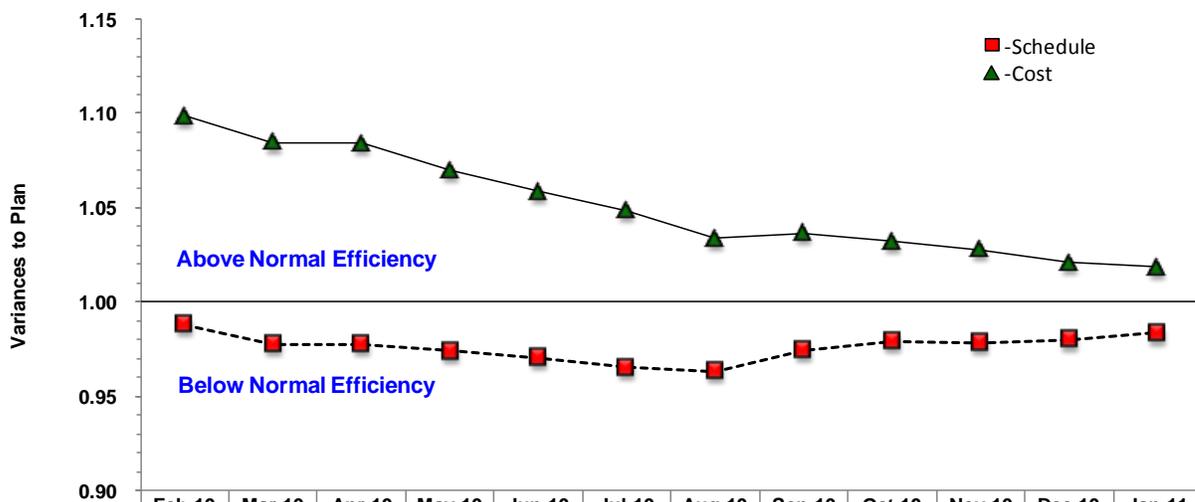
**Issue** – Change orders in the Power/Water/HVAC Projects have caused an increase in cost and schedule delays throughout the lifecycle of the Utilities Project. These change orders have been incurred due to design changes, additional material/equipment and labor, added subcontractor work scope (i.e.,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

**Corrective Action** – Identify recoverable impacts and implement change orders/claims.

**Status** – Continuing communication between management, subcontractors, and supporting staff to minimize schedule/cost impacts associated with change orders/claims. BCR-R41-11-001R0 has been approved and implemented.

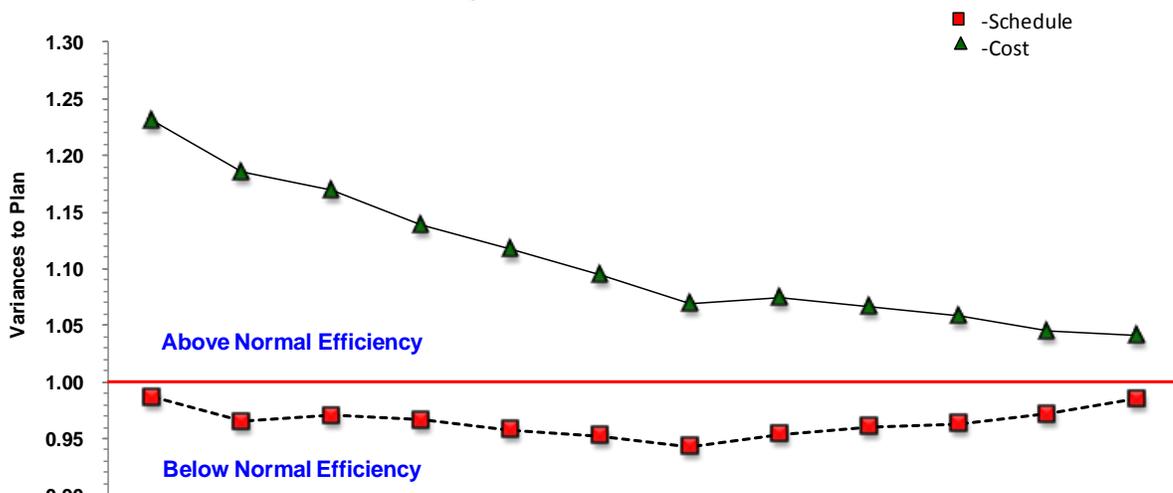
## EARNED VALUE MANAGEMENT

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



	Feb-10	Mar-10	Apr-10	May-10	Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11
MONTHLY SPI	0.97	0.84	0.98	0.92	0.91	0.89	0.92	1.13	1.10	0.96	1.02	1.09
MONTHLY CPI	1.05	0.91	1.08	0.88	0.89	0.91	0.83	1.07	0.93	0.94	0.89	0.96
--- CTD SPI	0.99	0.98	0.98	0.97	0.97	0.97	0.96	0.97	0.98	0.98	0.98	0.98
— CTD CPI	1.10	1.08	1.08	1.07	1.06	1.05	1.03	1.04	1.03	1.03	1.02	1.02

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

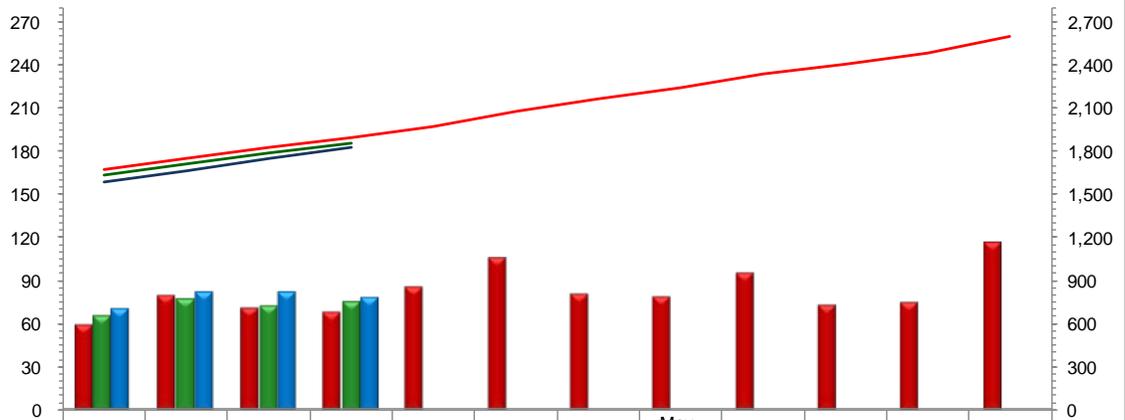


	Feb-10	Mar-10	Apr-10	May-10	Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11
MONTHLY SPI	1.00	0.81	1.01	0.92	0.86	0.89	0.83	1.06	1.11	1.01	1.17	1.31
MONTHLY CPI	1.14	0.89	1.07	0.90	0.90	0.90	0.80	1.13	0.93	0.94	0.84	0.96
--- CTD SPI	0.99	0.97	0.97	0.97	0.96	0.95	0.94	0.95	0.96	0.96	0.97	0.98
— CTD CPI	1.23	1.19	1.17	1.14	1.12	1.09	1.07	1.07	1.07	1.06	1.05	1.04

### Schedule and Cost Performance - ARRA and Base

Bars: Current Month (\$M)

Lines: Contract To Date (\$M)

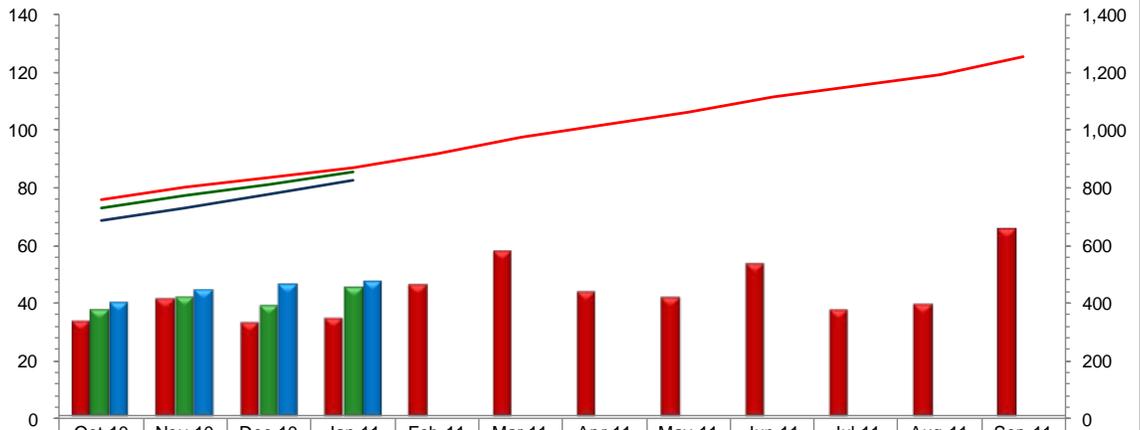


	Oct-10	Nov-10	Dec-10	Jan-11	Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11
MONTHLY BCWS	59.1	79.1	70.9	68.0	85.0	105.7	80.1	78.1	94.8	72.7	74.0	115.7
MONTHLY BCWP	65.0	76.2	72.0	73.9								
MONTHLY ACWP	69.7	80.9	81.2	77.2								
CUMULATIVE BCWS	1,672.6	1,751.7	1,822.6	1,890.7	1,975.7	2,081.4	2,161.5	2,239.6	2,334.4	2,407.1	2,481.1	2,596.8
CTD BCWP	1,637.3	1,713.5	1,785.4	1,859.4								
CTD ACWP	1,586.4	1,667.3	1,748.5	1,825.7								

### Schedule and Cost Performance - ARRA

Bars: Current Month (\$M)

Lines: Contract To Date (\$M)



	Oct-10	Nov-10	Dec-10	Jan-11	Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11
MONTHLY BCWS	33.6	41.4	33.3	34.5	46.1	57.7	44.0	42.0	53.3	37.8	39.5	65.5
MONTHLY BCWP	37.5	41.8	39.0	45.3								
MONTHLY ACWP	40.1	44.5	46.4	47.4								
CUMULATIVE BCWS	761.1	802.5	835.8	870.3	916.4	974.1	1,018.1	1,060.0	1,113.3	1,151.1	1,190.7	1,256.1
CTD ACWP	685.7	730.2	776.5	823.9								
CTD BCWP	731.1	772.9	811.9	857.2								

## Performance Analysis – January

### ARRA Performance by PBS (\$M)

	\$M				
	Current Period				
	Budgeted Cost		Actual Cost	Variance	
	BCWS	BCWP	ACWP	Schedule	Cost
RL-0011 - PFP D&D	(2.1)	9.2	8.9	11.3	0.3
RL-0013 - MLLW Treatment	1.0	0.4	0.9	(0.6)	(0.5)
RL-0013 - TRU Waste	7.6	7.5	7.9	(0.1)	(0.4)
RL-0030 - GW Capital Asset	6.2	9.8	12.8	3.6	(3.1)
RL-0030 - GW Operations	2.0	2.5	4.3	0.5	(1.8)
RL-0040 - U Plant/Other D&D	4.9	4.6	4.8	(0.3)	(0.2)
RL-0040 - Outer Zone D&D	7.8	4.2	3.0	(3.6)	1.1
RL-0041 - 100K Area Remediation	7.2	7.3	4.8	0.0	2.5
<b>Subtotal</b>	<b>34.5</b>	<b>45.3</b>	<b>47.4</b>	<b>10.7</b>	<b>(2.1)</b>
<b>Fee</b>			<b>2.8</b>		
<b>Total</b>			<b>50.2</b>		

#### ARRA

The Current Month favorable Schedule Variance: (+\$10.7M/-31.1%) reflects:

- The RL-0011 positive variance (+\$11.3M) is due to the following:
  - The favorable current month schedule variance is primarily a result of a one-time point adjustment associated with implementation of BCR-PRC-11-011R0, *Re-plan PFP Work Scope to Align with Recovery Plan*, which affected the majority of D&D accounts. When re-planning remaining work, cumulative BCWS is set equal to cumulative BCWP, thus eliminating schedule variance.
- The RL-0030 positive variance (+\$4.1M) reflects the following subproject performance:
  - The RL-0030.R1.1 GW Capital Assets (+\$3.6M) 200-ZP-1 OU (+\$3.6M) the positive schedule variance is primarily related to procurement activities for the lime/sludge stabilization units that are proceeding ahead of schedule. In addition, progress was earned on the following activities that were planned in prior months: fiberglass reinforced plastic tanks, fluidized bed system, and the centrifuge dewatering system. Currently the overall project is slightly ahead of schedule contract-to-date (CTD).
  - The RL-0030.R1.2 GW Operations (+\$0.5M) is primarily due to the S&GW Construction Complex Project (+\$0.7M) the positive variance reflects the recovery of the schedule delays from previous periods. Work was performed for activities planned in prior months.
- Primary contributors to the RL-0040 negative variance (-\$3.9M) that exceed the reporting thresholds reflect the following subproject performance:

- ARRA RL-0040.R1.2 Outer Zone D&D (-\$3.6M) Outer zone waste sites negative schedule variance is primarily related to prior month completion of work related to implementation of the Baseline Change Request to increase the budget for BCCA (-\$2.9M) and delay in issuing a BCR removing waste sites from the baseline per recent Contract Modifications (-\$1.0M). Also, minor variances outside the threshold (+\$0.3M).
- ARRA RL-0040.R1.1 U Plant/Other D&D (-\$.3M) is within reporting thresholds.
- The RL-0013 negative variance (-\$0.7M) reflects the following subproject performance:
  - RL-0013 MLLW Treatment (-\$0.6M) – Mixed Low Level Waste (MLLW) shipments delayed due to external review for approval of tie-down analysis, coupled with receiving facility's inability to accept extra-large sized waste shipments pending building modification and planned 435.1 Compliance Waste processing achieved in prior period.
  - RL-0013 TRU Waste (-\$0.1M) – Within Threshold.
- The RL-0041 positive variance (+\$0.0%) is within reporting thresholds.

The Current Month unfavorable Cost Variance (-\$2.1M/-4.6%) reflects:

- The primary contributors to the RL-0030 negative variance (-\$4.9M) that exceed reporting thresholds reflect the following subproject performance:
  - RL-0030.R1.1 GW Capital Asset (-\$3.1M) – This variance has two contributors: 1) 200-ZP-1 OU (-\$2.5M) the primary driver for the current month negative cost variance is labor cost associated with the issuance of IFC drawings; including engineering, construction oversight, and project management. In addition, there was an accrual error that will be corrected in February. Labor overruns are expected to continue and the project is reviewing the staffing plan and evaluating processes to identify potential cost efficiencies. 2) 100 HR-3 Operable Unit (-\$0.5M) final cost for FFS services in the DX Process Building for procuring and installing process equipment were incurred in January; these costs were the result of the longer ATP, final installation charges, and equipment purchases by FFS not previously reported. DX process facility is now in operations.
  - ARRA RL-0030.R.1.2 GW Operations (-\$1.8M/-74.6%) – This variance is primarily due to S&GW Construction Complex Project (-\$1.1M) the fit out contract cost for maintenance facilities is greater than planned. Project is managing contract changes aggressively and limiting closeout activities to reduce the EAC of the project to minimize the cost overrun. PBS RL-30 UBS, G&A, and DD (-\$0.5M) is within reporting thresholds.
- The RL-0041 positive variance (+\$2.5M) is due to the following:
  - Waste Sites (-\$0.5M) The negative variance is primarily due to greater than anticipated costs for load-out of debris from the 105KE discharge chute (-\$0.3M). The remaining variance is due to cost corrections processed during the month. 100K Area Project (Facilities and Others) (+\$3.0M) The positive cost variance in Utilities (+\$2.7M) is attributed to a point adjustment from implementation of BCR-R41-11-001R0; KW deactivation (+\$1.1M) is primarily due to the final debris campaign, which dispositioned 183 units for the month; Facilities (+\$0.3M) is from the 183.2 KW Sedimentation Basin debris lay-down yard/haul road costs being incurred; 115KE/117KE where below-grade planning costs occurred, but no BCWP can be taken until demolition actually starts; cold-and-dark being planned but unable to complete until after mid-February utility upgrades occur; and G&A/project support services (+\$0.3M) where efficiencies are occurring. These variances are partially offset by negative cost variances in Project

Management (-\$0.7M) due to cost transfers and the 105KE Reactor (-\$0.7M) due to continuing removal of the discharge chute.

- The RL-0040 positive variance (+\$0.9M) can be attributed to as follows:
  - ARRA RL-0040.R1.2 Outer Zone D&D (+\$1.1M) favorable cost variance is primarily due to costs for backfill activities at CW-3 being less than planned. In part this likely reflects an understatement of prior months performance in staging fill material which was placed into 216-N-4 this month (+\$0.7M) offset by greater than planned costs for contractor excavation work on pipeline 200-W-147-PL (-\$0.2M). In D&D, the variance is due to lower debris removal for North Slope (+\$0.4M).
  - ARRA RL-0040.R1.1 U Plant/Other D&D (-\$0.2M) variance is within reporting threshold.
- The RL-0013 negative variance (-\$0.9M) reflects the following subproject performance:
  - RL-13 MLLW Treatment (-\$0.5M) – Receipt of costs for previous month's LLW completions.
  - RL-13 TRU Waste (-\$0.4M) – Overstatement of prior month's performance for TRU Retrieval resulting in continued cost without commensurate performance, coupled with increased labor and subcontractor costs in support of the Trench Face Retrieval and Characterization System (TFRCS), Project Management correction of labor and subcontractors charging to BASE account instead of ARRA due to FY11 scope transfer; partially offset by RH/Large Package Commercial Repack recognizing performance on repack completions without corresponding costs, lower overhead distribution, and efficiencies in TRU Characterization and Shipping.
- The RL-0011 positive variance (+\$0.3M) is within reporting thresholds.

## Base Performance by PBS (\$M)

	\$M				
	Current Period				
	Budgeted Cost		Actual Cost	Variance	
	BCWS	BCWP	ACWP	Schedule	Cost
RL-0011 - Nuclear Mat Stab & Disp PFP	2.9	3.1	3.4	0.2	(0.3)
RL-0012 - SNF Stabilization & Disp	6.1	6.2	5.4	0.1	0.8
RL-0013 - Solid Waste Stab & Disp	6.4	6.3	7.4	(0.1)	(1.1)
RL-0030 - Soil & Water Rem-Grndwtr/Vadose	12.3	9.9	10.9	(2.3)	(1.0)
RL-0040 - Nuc Fac D&D - Remainder Hanfrd	1.6	1.6	1.3	0.0	0.3
RL-0041 - Nuc Fac D&D - RC Closure Proj	4.2	1.4	1.4	(2.8)	0.0
RL-0042 - Nuc Fac D&D - FFTF Proj	0.1	0.1	0.1	0.0	0.1
<b>Subtotal</b>	<b>33.5</b>	<b>28.6</b>	<b>29.8</b>	<b>(4.8)</b>	<b>(1.2)</b>
<b>Fee</b>			<b>0.0</b>		
<b>Total</b>			<b>29.8</b>		

## Base

The Current Month unfavorable Schedule Variance (-\$4.8M/-14.5%) reflects:

- The RL-0041 negative variance (-\$2.8M) is due to the following:
  - Waste Sites (-\$1.2M) A large part of the schedule variance (-\$0.9M) is due to waste sites that are on hold awaiting completion of demolition and load-out of the 105KE discharge chute. The remaining variance arises from waste sites awaiting completion of the utility upgrades. 100K Area Project (Facilities and Others) (-\$1.5M) the negative variance is primarily due to cold and dark activities being pushed into mid-March due to late-February utility upgrades (-\$1.5M).
- The RL-0030 negative variance (-\$2.3M) the primary contributors to the negative schedule variance that exceed the reporting thresholds are as follows:
  - Drilling (-\$0.4M) delay is due to the need to revise the 200-ZP-1 RFP to include the drilling of four wells with the option for an additional four wells as there is uncertainty with the number of wells that will be drilled. No long term impact is expected as a result of this change. 100 KR-4 Operable Unit (-\$0.4M) delays in the following activities:
    - 1) KW bioremediation procurement and construction due to funding priority;
    - 2) Slow start on ATP due to the additional time needed to troubleshoot and resolve KR-4 PLC issues after system was upgraded;
    - 3) Phase 3 construction due to extra time needed to transition between KR-4 work and KX activities.
  - 100 HR-3 Operable Unit (-\$0.5M) the current month negative schedule variance is primarily due to the following: HX process building equipment procurement/installation activities that had been completed early and performance taken in prior months; and delays in the distribution of

electricity and piping as resources were shifted to other HX construction activities. The HX project remains ahead of schedule CTD.

- 200-UP-1 Operable Unit (-\$0.3M) S-SX construction work was delayed as previously erected steel had to be removed because it did not meet specifications. As a result no progress was taken for S-SX in January. Overall CTD schedule variance for S-SX remains ahead of schedule.
- 300-FF-5 Operable Unit (-\$0.4M) performance of the infiltration testing and alternative emplacement scope continued to be delayed by management direction due to funding prioritization.
- Regulatory Decision/Closure (-\$0.4M) several activities are delayed or on hold due to developing discussions on the tentative agreement and or funding/prioritization issues resolution (Feasibility study, 200 West Decision Documents, 200 East Decision Documents).
- The RL-0013 negative variance within thresholds (-\$0.1M) is due to the following:
  - Within Threshold: Delayed start of Waste Encapsulation and Storage Facility (WESF) K1/K3 upgrades Conceptual Design Report (CDR) due to earlier required Functional Design Criteria (FDC) and alternative analysis review and delay in ETF facilities upgrades due to insufficient support staff (assigned to higher Plant priorities).
- The RL-0011, RL-0012, RL-0040, and RL-0042 variances (+\$0.2M) are within reporting thresholds.

The Current Month unfavorable Cost Variance (-\$1.2M/-4.2%) reflects:

- The RL-0013 negative variance (-\$1.1M) is due to the following:
  - MSA costs continue above plan, SNF receipt of final subcontractor charges for weather delays without commensurate performance, unplanned subcontractor charges to Central Waste Complex (CWC); partially offset by Project Management correction of charges to BASE account instead of ARRA due to FY2011 scope transfer.
- The RL-0030 negative variance (-\$1.0M) the primary contributors to the negative cost variance that exceed the reporting thresholds are as follows:
  - 100 KR-4 Operable Unit (-\$0.7M) the unfavorable cost variance is due to; increased use of resources to expedite remedial investigation sampling and accompanying RI/FS report efforts, more labor required than expected to perform the O&M Level of Effort activities, and extended troubleshooting of the KR-4 PLC after system upgrades. Overruns in KR-4 are not recoverable this fiscal year within the KR-4 OU and will be funds managed. Impact to overall contract completion cost is being evaluated.
  - 100 HR-3 Operable Unit (-\$0.4M) primary drivers for the current month negative cost variance are as follows; additional time being spent on internal CERCLA document development that will be recovered in completed Draft A document, continued operation of DR-5 Pump-and-Treat due to delays in starting operations of DX, HX equipment payments in January were made for equipment that had prior month BCWP.
- The RL-0012 positive variance (+\$0.8M) is due to the following:
  - The positive cost variance in STP is due to four factors: 1) an accrual adjustment to the HiLine costs for the test articles for the ECRTS to close the contracts to actual (+\$293K); 2) an accrual adjustment from PNNL to adjust to actual for the month of December (over accrued) (+\$108K); 3) Estimate to Complete evaluation on the Phase 2 Technology Evaluation scope, adjusting performance to reflect contract to date status (+\$390K); and 4) Performance on the installation of the KOP mezzanine installation this month (+\$130K), offset by a small cost overrun in 100K Facilities Operations account (-\$111K).

- The RL-0040 positive variance (+\$0.3M) is due to underruns in the overhead accounts.
- The RL-0011, RL-0041, and RL-0042 variances (-\$0.3M) are within reporting thresholds.

## Performance Analysis – Contract to Date

### ARRA Performance by PBS (\$M)

	\$M							
	Contract to Date					Contract Period		
	Budgeted Cost		Actual Cost	Variance		BAC	EAC	Variance
	BCWS	BCWP	ACWP	Schedule	Cost			
RL-0011 - PFP D&D	177.0	176.9	170.9	(0.1)	5.9	276.2	273.1	3.1
RL-0013 - MLLW Treatment	36.7	34.3	32.8	(2.4)	1.5	47.8	46.0	1.8
RL-0013 - TRU Waste	148.3	148.0	148.8	(0.3)	(0.8)	236.5	250.4	(13.9)
RL-0030 - GW Capital Asset	97.5	98.2	101.7	0.7	(3.5)	168.5	182.8	(14.3)
RL-0030 - GW Operations	65.6	63.5	60.0	(2.1)	3.5	84.3	73.1	11.2
RL-0040 - U Plant/Other D&D	144.5	140.1	128.3	(4.4)	11.8	196.7	183.6	13.1
RL-0040 - Outer Zone D&D	62.0	58.7	47.9	(3.3)	10.8	90.7	83.2	7.5
RL-0041 - 100K Area Remediation	138.7	137.5	133.5	(1.2)	4.0	178.4	175.1	3.3
<b>Subtotal</b>	<b>870.3</b>	<b>857.2</b>	<b>823.9</b>	<b>(13.1)</b>	<b>33.3</b>	<b>1,279.0</b>	<b>1,267.2</b>	<b>11.8</b>
<b>Management Reserve</b>						<b>27.0</b>		
<b>Fee</b>			<b>48.1</b>			<b>72.1</b>		
<b>Total</b>			<b>872.0</b>			<b>1,378.1</b>		

### ARRA

The CTD unfavorable Schedule Variance (-\$13.1M/-1.5%) reflects:

- The primary contributors to the RL-0040 CTD negative variance (-\$7.7M) that exceed the reporting thresholds are as follows:
  - RL-0040.R1.1 U Plant/Other D&D (-\$4.4M) negative schedule variance is due to late award of the grout contract for U Canyon (-\$3.3M), delays with the 200E Administration Buildings (-\$1.9M) due to bio-hazard and radiological control issues. Limited resources has also delayed 200W Administration Buildings (-\$0.6M). This is offset by accelerating 209E demolition preparation, mobilization, and asbestos abatement (+\$1.4M).
  - RL-0040.R1.2 Outer Zone D&D (-\$3.3M) unfavorable schedule variance included deferral of the start of work on waste sites which have been identified by contract modification for deletion or deferral (-\$1.4M), delay of work on waste sites pending finalization of site priorities (-\$1.2M). Demobilization of the ALE towers should have been complete in FY2010 but due to delays with releasing several towers to CHPRC, the project is behind (-\$0.2M) and delays with cultural/ecological reviews on the North Slope (-\$0.4M). Minor accounts outside the threshold (-\$0.1M).
- The RL-0013 negative variance (-\$2.7M) is due to the following subprojects:
  - RL-0013 MLLW Treatment (-\$2.4M) – Mixed Low Level Waste (MLLW) shipments delayed due to internal/external review for approval of tie-down analysis, coupled with receiving facility's inability to accept extra-large sized waste shipments pending building modification, coupled with delay in shipments to offsite treatment facility utilizing Large Type A Container

pending approval of Contaminated Equipment - Special Packaging Authorization (CE-SPA) (recently approved), partially offset by 435.1 Compliance Waste processing being achieved ahead of schedule).

- RL-0013 TRU Waste (-\$0.3M) – TRU Retrieval delays due to adverse weather conditions, container shipping authorization, coupled with delay in completion of Next Generation Retrieval Phase II site preparation, redeployment of repack staff to higher priority ARRA scope, temporary suspension of T-Plant repack operations due to Beryllium program implementation and drum lid issue recovery actions, partially offset by accelerated RH/Large Package Commercial Repack and TRU Characterization and Shipping.
- The RL-0030 negative variance (-\$1.4M) is due to the following subproject performance:
  - RL-0030.R1.1 GW Capital Asset (+\$0.7M) All Variances are within Thresholds.
  - RL-0030.R1.2 GW Operations (-\$2.1M) All Variances are within Thresholds.
- The RL-0041 negative variance (-\$1.2M) is within reporting thresholds.
- The RL-0011 negative variance is within threshold. The project is currently experiencing impacts associated with:
  - Leak Path Factor/periphery confinement barrier issues associated with 242-Z entry point.
  - Disqualification of multiple electrical disciplines impacted completion of 2736Z/ZB cold and dark activities and deployment of the 2736Z/ZB team to support RMA/RMC KPP Glove Box removals.
  - Delay in size reduction of glove boxes in Room 172 associated with lack of full team resources and inexperience.

Recovery –BCR-PRC-11-011R0, *Re-plan PFP Work Scope to Align with Recovery Plan*, was implemented in January. Corrective actions have been identified and are reflected in the BCR, which supports completion of all 174 KPP gloveboxes by the September 30, 2011 completion date. Nuclear Safety and RL are continuing to work to resolve the 242Z Leak Path Factor/periphery confinement barrier issues. In addition, glove boxes are being shipped to PermaFix Northwest (PFNW) to offset the delays being experienced with size reduction of glove boxes in Room 172 in the 234-5Z facility.

The CTD favorable cost variance (+33.3M/3.9%) reflects:

- The RL-0040 positive variance (+\$22.6M) reflects the following subproject performance:
  - ARRA RL-0040.R1.1 U Plant/Other D&D (+\$11.8M) favorable cost variance is largely due to favorable performance of the Cold and Dark teams and the Sampling and Characterization/Waste Identification Form teams (D4) (+\$3.3M), overhead allocations (+\$6.5M), less for Program Management than planned (+\$1.2M), efficiencies at U Canyon (D4) (+\$1.9M), less resources than planned for C-3 Sampling (+\$0.7M) and 200E Administration (+\$1.2M), lower than planned costs for capital equipment (D4) (+\$2.7M), less asbestos abatement required for 200W buildings (+\$2.5M), offset by increased material and equipment costs, increased use of masks and respirators due to the unexpected asbestos levels in the ancillary buildings in U Ancillary (D4) (-\$7.7M), coupled with increased insulator staff and overtime to recover schedule, 209E Project (-\$0.8M). Minor accounts not within threshold (+\$0.3M).
  - ARRA RL-0040.R1.2 Outer Zone D&D (+\$10.8M) favorable cost variance is due to efficiencies in ALE and North Slope Facilities D&D (+\$4.5M) and Outer Area waste sites (+\$7.3M). The waste site favorable cost-to-date variance is primarily due to an O-Zone RTD Waste Sites adjustment (pass back) to ERDF waste disposal costs reflecting the operational efficiencies of the super dump trucks. Within the waste sites area, this favorable cost variance is partially offset by higher than planned costs associated with remediation of pipelines. A negative cost variance

is associated increase costs for the 212N/P/R Project (-\$1.0M) due to the walls of the basins being much thicker than estimated.

- The RL-0011 positive variance (+\$5.9M) is primarily due to the following:
  - Favorable cost variance is primarily due to lower overhead costs (+\$4.2M). The balance is due to efficiencies recognized on cross-cutting support to the D&D work teams (primarily in solid waste management, project management, nondestructive assay, consumables and subcontracts), demolition of ancillary buildings, and the removal of asbestos and non-process equipment from 234-5Z.
- The RL-0030 variance (\$0.0M) that exceed the reporting thresholds are:
  - RL-0030.R1.2 GW Operations (+\$3.5M) Drilling (+\$2.9M) efficiencies and savings obtained in drilling for 100-NR-2, 100-HR-3, and 200-BP-5 wells. Cost efficiencies are being obtained through an aggressive drilling schedule with savings in support personnel, faster drilling methods, and the fact that the HR-3 well depths have been less than originally planned. Well decommissionings have also been completed for less than planned.
  - RL-0030.R1.1 GW Capital Asset (-\$3.5M) Regulatory Decision and Closure Integration (+\$1.7M) Completing work scope more efficiently than planned, primarily in the areas of multi-incremental sampling (using existing documentation and direct haul rather than staging), and borehole drilling and landfill characterization (competitive subcontracting of drilling support and efficient field support).
- The RL-0013 positive variance (+\$0.7M) reflects the following subproject performance:
  - RL-0013 MLLW Treatment (+\$1.5M) – Mixed Low Level Waste costs below plan due to efficiencies created by treating waste at Energy Solution (ES) - Clive rather than planned treatment at PermaFix Northwest (PFNW) due to a waiver received from the Department of Energy (DOE), decreased operational costs at CWC and efficiencies at Solid Waste Base Operations and Waste Disposal Trench Upgrades, partially offset by higher subcontractor costs for the ETF Containment Berm Repairs.
  - RL-0013 – TRU Waste (-\$0.8M) – Increased labor and material costs in support of the Trench Face Retrieval and Characterization System (TFRCS), coupled with increased material, support and management costs for TRU Retrieval deteriorated waste containers and increased labor supporting TFPS preliminary procurement and site preparation activities, increased allocation for additional office space and other assessments as a result of increased Recovery Act Expenditures; partially offset by efficiencies in TRU Characterization and Shipping, T-Plant, Waste Receiving and Processing (WRAP) Base Operations, Project Management and lower allocations.
- The RL-0041 positive variance (+\$4.0M) is within reporting thresholds.

## Base Performance by PBS (\$M)

	\$M								
	Contract to Date					Contract Period			
	Budgeted Cost		Actual Cost	Variance					
	BCWS	BCWP	ACWP	Schedule	Cost	BAC	EAC	Variance	
RL-0011 - Nuclear Mat Stab & Disp PFP	136.4	136.7	134.4	0.4	2.4	354.7	345.5	9.2	
RL-0012 - SNF Stabilization & Disp	194.8	191.1	196.1	(3.7)	(5.0)	580.1	595.3	(15.1)	
RL-0013 - Solid Waste Stab & Disp	263.5	261.3	268.7	(2.2)	(7.4)	1,631.6	1,566.6	65.0	
RL-0030 - Soil & Water Rem-Grndwtr/Vadose	310.3	303.2	302.3	(7.1)	0.9	1,255.7	1,227.5	28.3	
RL-0040 - Nuc Fac D&D - Remainder Hanfrd	55.7	55.9	49.3	0.3	6.7	758.6	761.9	(3.4)	
RL-0041 - Nuc Fac D&D - RC Closure Proj	49.1	43.2	41.4	(5.9)	1.8	321.0	334.5	(13.5)	
RL-0042 - Nuc Fac D&D - FFTF Proj	10.6	10.6	9.6	0.0	1.0	25.2	23.9	1.2	
<b>Subtotal</b>	<b>1,020.4</b>	<b>1,002.2</b>	<b>1,001.8</b>	<b>(18.2)</b>	<b>0.4</b>	<b>4,926.9</b>	<b>4,855.2</b>	<b>71.7</b>	
<b>Management Reserve</b>						<b>209.9</b>			
<b>Fee</b>			<b>46.6</b>			<b>231.9</b>			
<b>Total</b>			<b>1,048.4</b>			<b>5,368.7</b>			

## Base

The CTD unfavorable Schedule Variance (-\$18.2M/-1.8%) reflects:

- The RL-0030 negative variance (-\$7.1M) schedule variances exceed the reporting thresholds:
  - Drilling (-\$1.4M) Base funded wells were deferred to FY2012 based on prioritization due to FY2011 funding issues (KR-4 bioremediation - three wells; KR-4 P&T optimization - two wells; ZP-1 monitoring - two wells; and ZP-1 injection/extraction two wells).
  - 100 NR-2 OU (-\$1.0M) delays in RI/FS sampling and analytical work due to the additional time needed to complete approval of 100-N RI/FS work plan addendum and SAP. Delays in initiating the barrier expansion activities pending funding resolution.
  - 300 FF-5 Operable Unit (-\$1.5M) delays are primarily related to alternative Emplacement Investigation work due to funding prioritization. Impacts will be determined when funding is definitized. Reprioritization of sampling resources earlier this fiscal year has delayed FF-5 specific drilling activities – recovery expected by mid FY2011.
  - Regulatory Decision/Closure (-\$2.4M) several activities are delayed or on hold due to developing discussions on the tentative agreement and or funding/prioritization issues resolution (Feasibility study, 200 West Decision Documents, 200 East Decision Documents and Sampling Characterization).
- The RL-0041 negative variance (-\$5.9M) is due to:
  - Waste Sites (-\$1.4M) the negative variance is due to waste sites near the 105KE reactor building that are awaiting completion of demolition of the discharge chute or the 1706KE facilities. 100 K Area (Facilities and Others) (-\$4.5M) the negative schedule variance is from Facilities (-\$4.5M) where cold and dark activities are being pushed into mid-March due to late February utility upgrades.

- The RL-0012 negative variance (-\$3.7M) the combined 100 K and STP variances are within reporting thresholds.
- The RL-0013 negative variance (-\$2.2M) is due to:
  - ETF procurements delayed by vendor negotiations (currently on order), delayed start of Waste Encapsulation and Storage Facility (WESF) K1/K3 Upgrades Conceptual Design Report (CDR) due to earlier required Functional Design Criteria (FDC) and alternative analysis review, coupled with previously delayed WESF roof upgrades due to enhanced safety practices and work management requirements, Canister Storage Building (CSB) engineering activities delayed due to resource availability (assigned to higher priority activities), delayed Next Generation TRU Retrieval power procurement due to delayed Site Prep; partially offset by performance taken on Waste Receiving and Processing (WRAP) HEPA filter replacement scheduled for FY2013.
- The RL-0011, RL-0040, and RL-0042 variances (+\$0.4M) are within reporting thresholds.

The CTD favorable Cost Variance (+\$0.4M/+0.0%) reflects:

- The RL-0013 negative cost variance (-\$7.4M) is due to:
  - Increased assessments above plan, TRU Retrieval additional resources to deal with the deteriorated containers, FY2009 WRAP facility incurring increased levels of corrective and preventive maintenance activities as a result of repack operations, partially offset by efficiencies in LEF, MLLW, TRU Disposition, TRU Repackaging, Interim Storage Area upgrades, Mixed Waste Disposal Trenches, and lower overhead allocations.
- The RL-0040 positive variance (+\$6.6M) is primarily due to:
  - Balance of Site (facilities and others) (+\$5.8M) favorable cost variance is associated with recognized efficiencies for demolition of the Industrial 7 Project (D4) (+\$0.6M) as a result of utilization of existing site equipment and materials, surveillance and maintenance costs (D4) (+\$1.2M) less than expected, completed the sampling of Cell 30 with less resources than planned (+\$0.9M), Program Management utilizing less resources (+\$1.2M), capital equipment (+\$0.3M), Usage Base Services (+\$0.1M), and underrun in overhead allocations (+\$2.6M). In addition, minor accounts outside the threshold (-\$1.1M). Waste Sites (+\$0.1M) is within thresholds.
- The RL-0012 negative variance (-\$5.0M) the combined 100K and STP variances are within reporting thresholds.
- The RL-0011 positive variance (+\$2.4M) this positive cost variance is within established reporting thresholds. Contributors to the variance include early completion of Special Nuclear Material De-Inventory, D&D Materials and Subcontracts, Waste Container Procurements, D&D staff ramp-up, early demolition of ancillary facilities, and efficiencies in PRF east gallery glovebox cleanout. Recovery –BCR-PRC-11-011, Re-plan PFP Work Scope to Align with Recovery Plan, was implemented in January 2011 to align remaining work with the D&D Recovery Plan. Corrective actions are reflected in the BCR, which support a September 30, 2013, slab on grade date.
- The RL-0030 positive variance (+\$0.9M) primary contributors that exceed the reporting thresholds are as follows:
  - 200-ZP-1 Operable Unit (+\$2.3M) interim Operations reflects significant progress and cost underruns achieved to date for System Calibration, design of the permanent hookup of Well EW-1 was lower than planned as only minor changes were needed to an existing design. Cost for performing general operating and maintenance and minor modification activities have been

lower than planned as the system has been running smoothly. Cost for collecting depth-discrete groundwater and soil samples during the installation of new wells was less than planned.

- 100-NR-2 OU (+\$2.0M) performed a chemical treatment maintenance scope, jet grouting pilot test work, RI/FS Work Plan, and Interim Proposed Plan Reporting, which provided more efficiency than originally planned.
- Usage Based Services (-\$1.6M) increased cost associated with training due to the additional ARRA work in FY2010 and fleet services costs that occurred in FY2009 and FY2010. Overruns will continue to be funds-managed within the S&GRP project.
- 200 PW-1 OU (+\$0.8M) labor and subcontract cost for general operations and minor mods support is less than planned. In addition, efficiencies and savings experienced with the Soil Vapor Extraction (SVE) system testing, prior to March 1, 2010 and the completed removal of the two old SVE units.
- The RL-0041, and RL-0042 variances (+\$1.8M) are within reporting thresholds.

## FUNDING ANALYSIS

### FY2011 Funds vs. Spend Forecast (\$M)

PBS	Project	FY 2011		
		Projected Funding	Spending Forecast	Spend Variance
<b>RL-0011</b>	Nuclear Materials Stabilization and Disposition	163.1	148.2	14.9
<b>RL-0013</b>	Waste and Fuels Management Project	162.5	160.9	1.6
<b>RL-0030</b>	Soil, Groundwater and Vadose Zone Remediation	157.6	155.3	2.3
<b>RL-0040</b>	Nuclear Facility D&D, Remainder of Hanford	142.6	129.9	12.7
<b>RL-0041</b>	Nuclear Facility D&D, River Corridor	67.7	67.5	0.2
<b>Total ARRA:</b>		<b>693.6</b>	<b>661.8</b>	<b>31.8</b>
<b>RL-0011</b>	Nuclear Materials Stabilization and Disposition	39.3	38.0	1.3
<b>RL-0012</b>	Spent Nuclear Fuel Stabilization and Disposition	83.8	86.1	(2.3)
<b>RL-0013</b>	Waste and Fuels Management Project	90.7	91.0	(0.3)
<b>RL-0030</b>	Soil, Groundwater and Vadose Zone Remediation	170.0	188.8	(18.8)
<b>RL-0040</b>	Nuclear Facility D&D, Remainder of Hanford	24.6	22.9	1.7
<b>RL-0041</b>	Nuclear Facility D&D, River Corridor	55.4	53.1	2.3
<b>RL-0042</b>	Fast Flux Test Facility Closure	2.4	1.7	0.7
<b>Total Base:</b>		<b>466.2</b>	<b>481.6</b>	<b>(15.4)</b>

#### Funds/Variance Analysis:

Funding reflects FY2010 carryover funds and FY2011 new budget authority. Variances reflect an approved realignment of ARRA and Base workscope. Continued implementation of a site integrated work scope prioritization plan will further align work scope with proposed revised funding levels.

## BASELINE CHANGE REQUESTS

In January 2011, CHPRC approved and implemented twelve (12) baseline change requests, of which three (3) are administrative in nature and did not change budget, schedule or scope.

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

Change Request #	Title	Summary of Change
<b>Implemented into the Earned Value Management System for January 2011</b>		
BCR-012-11-002R0	<i>Knock-Out Pot Project Update, RL-12</i>	Due to the 4 Phased Inspection of the KOP material at the beginning of the project, the updated DQO/SAP indicates additional characterization of the KOP product will not be required. As a result of this updated DQO/SAP, the KOP product characterization activity is deleted from the PMB. Due to scheduling conflicts at the MASF, the KOP project is not able to use the KW Basin Pool mockup to simulate conditions found in the Basin for testing of the KOP Pretreatment and KOP Processing System (KPS) equipment. To resolve this issue, a mezzanine mockup has been designed and is installed at MASF by this change request to support full scale equipment tests and to train operations personnel on the systems before the equipment is placed into the Basin. No additional funding is required as a result of this change request and no management reserve is used. There is no change to ARRA Key Parameter and Performance metrics as a result of this change request.
BCR-013-11-001R0	<i>RL-13 OCRWM Records Storage Resource</i>	This change request corrects an error with the P000 resource, which did not price (resource should have been P170). As a result, the budget for the Office of Civilian Radioactive Waste Management (OCRWM) records storage scope added by change request BCR-013-10-101R0, "Compliant OCRWM Records Storage per RL Direction", was understated. There is no change in PMB scope and no management reserve is used. The scope of work adjusted is Base. No additional funding is required as a result of this change request. FY2011 RL-13 Base reserve funds are used.
BCR-030-11-001R0	<i>200-PO-1 / 200-BP-5 Operable Unit Feasibility Study Deferral</i>	Tri-Party Agreement Milestone M-015-21A, "Submit a 200-BP-5 and 200-PO-1 OU FS Report and Proposed Plan(s) to Ecology", by 12/31/2012 was approved October 26, 2010. This TPA Change Number also deleted TPA milestone M-015-73, "Submit Feasibility Study Report and Proposed Plan for the 200-PO-1 Operable Unit", due 12/31/2011. The PRC Baseline schedules for the 200-BP-5 and 200-PO-1 Operable Units are realigned to submit a combined 200-BP-5/200-PO-1 Operable Unit Feasibility Study Report and Proposed Plan(s) to Ecology by 12/31/2012 consistent with the TPA milestone M-015-21A. TPA milestone M-015-73 is deleted from the PRC Baseline schedule. Overall, CHPRC performs CERCLA activities necessary to meet the Tri-Party Agreement Milestone M-015-21A, approved October 26, 2010, that includes the preparation of a combined 200-BP-5 and 200-PO-1 FS and Proposed Plan. No additional funding is required as a result of the schedule change and no management reserve is used. FY2012 base funds management is to be used to ensure available base funding for PBS RL-30 is not exceeded.
BCR-PRC-11-018R0	<i>BC Control Area (UPR-22-E-83) Zones A &amp; B Additional Acreage &amp; Depth Cleanup</i>	This change request aligns the BC Control Area (BCCA) remediation effort in the PMB to Change Proposal (CP) 040.023 (OUO, available upon request) as modified by RL. This change request also meets the DOE direction provided in RL letter 10-PIC-0065, Correspondence No. 1004064 A, dated November 15, 2010 to prepare a change request to remediate Zones A and B as defined in the work scope of Change Proposal 040.023. This action also supports Contract Modification 108. This removal effort is definitized as ARRA scope. No additional funding is required as a result of this change request and no management reserve is used. Since the overall change in budget is greater than \$5M, RL approval

Change Request #	Title	Summary of Change
		is required. RL authorization to implement this change request upon submittal is provided in Attachment 2 of this change request.
BCR-R13-11-002R0	<i>Re-phase RH Waste Shipments Per Contract Mod 133</i>	This change request revises the PMB as directed by RL in contract modification 133. Specifically, this change request reschedules RH TRU shipments in the PMB to optimize resources with the CH TRU shipping schedule and begin RH TRU shipping activities in FY2011. As directed in contract Modification 133, this scope adjustment is ARRA scope. No additional funding is required as a result of this change request and no management reserve is used. FY2011 funds management is used to ensure the FY2011 authorized RL-13 ARRA funds are not exceeded. There is no change to the ARRA Key Parameter and Performance metrics as a result of this change request.
BCR-PRC-11-011R0	<i>Re-Plan PFP Work Scope to Align with Recovery Plan</i>	<p>This change request re-plans the remaining work associated with the D&amp;D of the Plutonium Finishing Plant to reflect incorporation of PFP Recovery Plan. Key changes in the Recovery Plan incorporated into the PBS RL-11 PMB as a result of this change request are:</p> <ul style="list-style-type: none"> <li>• Initial organizational realignments to tighten focus on 234-5Z glove box removal and disposition <ul style="list-style-type: none"> <li>○ Reassign responsibility for 234-5Z bulk area cleanout</li> <li>○ Incorporate receipt of NCOs/RCTs from other CHPRC projects to backfill for attrition</li> <li>○ Assign an additional team to RMA/RMC line</li> <li>○ Assign 242-Z team part time to RMA/RMC Line D&amp;D</li> <li>○ Reassign one PRF glove box crew to RMA/RMC line</li> </ul> </li> <li>• Realign PRF work scope to assume P/Q shift operations in FY2012 to support recovery of the reassignment of the team to support RMA/RMC</li> <li>• Create a Second Size Reduction Team for In-Situ Size Reduction of glove boxes.</li> <li>• Supplement Room 172 Size Reduction Staff to support rotating work in Room 172</li> <li>• Extend 2736Z/ZB Vault D&amp;D activities through January 2011</li> <li>• Send a number of glove boxes to PermaFix Northwest for treatment and size reduction</li> <li>• Realign the 242-Z work scope to recover from loss of schedule to support RMA/RMC glove box recovery actions.</li> <li>• Realign the Balance of 234-5Z D&amp;D work scope <ul style="list-style-type: none"> <li>○ Sub-Divide Process Vacuum System Removal Team into Two Crews</li> <li>○ Defer work on the E-4 Ventilation System Removal</li> <li>○ Implement More Efficient Containment Approach to Accelerate Process Vacuum System Piping Removal</li> </ul> </li> </ul> <p>No additional funding is required as a result of this change request. Since the overall change in budget is greater than \$5M, RL approval is required. RL authorization to implement this change request upon submittal is provided in Attachment 2 of the change request.</p>
BCR-PRC-11-017R0	<i>Trench Face Processing System Deferral</i>	The TRU Retrieval Trench Face Processing System procurement, construction, final site preparation, and associated tasks are deferred due to project risk, cost considerations, and projected FY2012 funding shortfalls. As a result of this change a Point of Generation packaging alternative has been identified for FY2011 and will be implemented as part of this baseline change (specifically, this change incorporates an alternate packaging strategy through commercial packaging using Permafix Northwest). In addition, in order to ensure the committed quantities of

Change Request #	Title	Summary of Change
		TRU waste are retrieved for repackaging, the project is redirecting existing staff to support retrieval scope in multiple locations in both 200 East and 200 West areas. Approximately 45 FTEs are required to support this change in approach to achieve the committed quantities of TRU waste retrieved and repackaged. No additional funding is required as a result of this change request. FY2011 funds management will be used to ensure FY2011 authorized funds are not exceeded in PBS RL-13. There is no use of management reserve. There is no change to ARRA Key Parameter and Performance metrics as a result of this change request.

Overall the contract period PMB budget is increased \$63.9M in January 2011. Management reserve, in the amount of \$501K, is used in PBS RL-0041 on ARRA scope for realized risk PRC-051, “Investment in Schedule Acceleration/Recovery”. See the Format 3 Report in Appendix A and A-1 for a complete listing of the specific change requests and the impact on the PMB budget by fiscal year. The change to the Estimated Contract Price, if all authorized, un-priced work scope were definitized at the PMB values as a result of change requests processed in January 2011, is a *increased* \$63.4M and is summarized by fiscal year in the tables below (dollars in thousands, negative number represents reduction):

**January 2011 Summary of Changes to Estimated Contract Price**

	FY2009	FY2010	FY2011	FY2012	FYs 2009-2013	FYs 2014-2018
<b>December 2010 Estimated Contract Price</b>						
PMB	653,426	960,017	1,001,156	664,350	3,834,027	2,308,020
Mgmt Rsrv (MR)	0	0	42,800	25,100	99,600	86,300
Fee	39,712	48,772	49,036	40,377	210,649	93,429
<b>Total</b>	<b>693,138</b>	<b>1,008,790</b>	<b>1,092,991</b>	<b>729,828</b>	<b>4,144,276</b>	<b>2,487,749</b>
<b>Change by Funding Source to Estimated Contract Price in January 2011 (12 BCRs)</b>						
<b>PMB</b>						
<b>ARRA</b>						
All ARRA WBSs	0.0	0	3,670	0	3,670	0
<b>Base</b>						
All Base WBSs	0	0	-461	36,842	49,751	10,435
<b>Change to PMB</b>	<b>0</b>	<b>0</b>	<b>3,210</b>	<b>36,842</b>	<b>53,421</b>	<b>10,435</b>
<b>MR</b>						
<b>ARRA</b>						
All ARRA WBSs	0	0	(501)	0	-501	0
<b>Base</b>						
All Base WBSs	0	0	0	0	0	0
<b>Change to MR</b>	<b>0</b>	<b>0</b>	<b>-501</b>	<b>0</b>	<b>-501</b>	<b>0</b>
<b>Fee</b>						
<b>ARRA</b>						
All ARRA WBSs	0	0	0	0	0	0
<b>Base</b>						
All Base WBSs	0	0	0	0	0	0
<b>Change to Fee</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Change</b>	<b>0</b>	<b>0</b>	<b>2,709</b>	<b>36,842</b>	<b>52,920</b>	<b>10,435</b>
<b>January 2011 Estimated Contract Price</b>						
PMB	653,426	960,017	1,004,365	701,192	3,887,448	2,318,455
MR	0	0	42,299	25,100	99,099	86,300
Fee	39,712	48,772	49,036	40,377	210,649	93,429
<b>Total</b>	<b>693,138</b>	<b>1,008,790</b>	<b>1,095,700</b>	<b>766,670</b>	<b>4,197,196</b>	<b>2,498,184</b>

**Changes to/Utilization of Management Reserve in January 2011**

		FY2009	FY2010	FY2011	FY2012	FY2009-2013	FY2014-2018
<b>Management Reserve (MR) - End of December 2010</b>							
<b>ARRA</b>	RL-0011.R1	0	0	5,600	0	5,600	0
	RL-0013.R1.1	0	0	0	0	0	0
	RL-0013.R1.2	0	0	3,000	0	3,000	0
	RL-0030.R1.1	0	0	0	0	0	0
	RL-0030.R1.2	0	0	5,200	0	5,200	0
	RL-0040.R1.1	0	0	3,800	0	3,800	0
	RL-0040.R1.2	0	0	0	0	0	0
	RL-0041.R1	0	0	9,900	0	9,900	0
<b>ARRA Total</b>	<b>0</b>	<b>0</b>	<b>27,500</b>	<b>0</b>	<b>27,500</b>	<b>0</b>	
<b>Base</b>	RL-0011	0	0	2,000	7,400	17,400	0
	RL-0012	0	0	3,000	3,000	10,500	16,800
	RL-0013	0	0	1,500	3,000	9,500	38,100
	RL-0030	0	0	4,000	4,000	12,400	32,000
	RL-0040	0	0	3,800	4,000	12,900	31,900
	RL-0041	0	0	1,000	3,500	9,000	18,000
	RL-0042	0	0	0	200	400	1,000
	<b>Base Total</b>	<b>0</b>	<b>0</b>	<b>15,300</b>	<b>25,100</b>	<b>72,100</b>	<b>137,800</b>
<b>MR Total</b>	<b>0</b>	<b>0</b>	<b>42,800</b>	<b>25,100</b>	<b>99,600</b>	<b>137,800</b>	
<b>Changes to/Utilization of Management Reserve in January 2011</b>							
<b>ARRA</b>	RL-0011.R1	0	0	0	0	0	0
	RL-0013.R1.1	0	0	0	0	0	0
	RL-0013.R1.2	0	0	0	0	0	0
	RL-0030.R1.1	0	0	0	0	0	0
	RL-0030.R1.2	0	0	0	0	0	0
	RL-0040.R1.1	0	0	0	0	0	0
	RL-0040.R1.2	0	0	0	0	0	0
	RL-0041.R1	0	0	-501	0	-501	0
<b>ARRA Total</b>	<b>0</b>	<b>0</b>	<b>-501</b>	<b>0</b>	<b>-501</b>	<b>0</b>	
<b>Base</b>	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
	<b>Base Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>MR Total</b>	<b>0</b>	<b>0</b>	<b>-501</b>	<b>0</b>	<b>-501</b>	<b>0</b>	
<b>Management Reserve - End of January 2011</b>							
<b>ARRA</b>	RL-0011.R1	0	0	5,600	0	5,600	0
	RL-0013.R1.1	0	0	0	0	0	0
	RL-0013.R1.2	0	0	3,000	0	3,000	0
	RL-0030.R1.1	0	0	0	0	0	0
	RL-0030.R1.2	0	0	5,200	0	5,200	0
	RL-0040.R1.1	0	0	3,800	0	3,800	0
	RL-0040.R1.2	0	0	0	0	0	0
	RL-0041.R1	0	0	9,399	0	9,399	0
<b>ARRA Total</b>	<b>0</b>	<b>0</b>	<b>26,999</b>	<b>0</b>	<b>26,999</b>	<b>0</b>	
<b>Base</b>	RL-0011	0	0	2,000	7,400	17,400	0
	RL-0012	0	0	3,000	3,000	10,500	16,800
	RL-0013	0	0	1,500	3,000	9,500	38,100
	RL-0030	0	0	4,000	4,000	12,400	32,000
	RL-0040	0	0	3,800	4,000	12,900	31,900
	RL-0041	0	0	1,000	3,500	9,000	18,000
	RL-0042	0	0	0	200	400	1,000
	<b>Base Total</b>	<b>0</b>	<b>0</b>	<b>15,300</b>	<b>25,100</b>	<b>72,100</b>	<b>137,800</b>
<b>MR Total</b>	<b>0</b>	<b>0</b>	<b>42,299</b>	<b>25,100</b>	<b>99,099</b>	<b>137,800</b>	

## 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 1/31/2011								Planned Subcontracting*	\$2,524,483,195
Contracts + Purchase Orders + Pcards								Contract-to-Date Awards =	\$1,585,861,821
Reporting Classification	ARRA		Non-ARRA		Total (\$)	Percent of Total	Goal (%)	Balance Remaining to Award =	\$938,621,374
	(\$)	%	(\$)	%				Goal Award (\$)	Bal. to Goal (\$)
SB	\$377,212,561	54.93%	\$402,102,806	44.72%	\$779,315,366	49.14%	49.30%	\$1,244,570,215	\$465,254,849
SDB	\$69,784,758	10.16%	\$74,718,060	8.31%	\$144,502,818	9.11%	8.20%	\$207,007,622	\$62,504,804
SWOB	\$79,828,312	11.62%	\$80,962,196	9.00%	\$160,790,508	10.14%	6.50%	\$164,091,408	\$3,300,899
HUB	\$12,741,375	1.86%	\$16,089,473	1.79%	\$28,830,848	1.82%	3.20%	\$80,783,462	\$51,952,614
VOSB	\$56,880,776	8.28%	\$31,811,614	3.54%	\$88,692,390	5.59%	2.00%	\$50,489,664	(\$38,202,726)
SDVO	\$11,759,605	1.71%	\$11,944,157	1.33%	\$23,703,762	1.49%	2.00%	\$50,489,664	\$26,785,902
NAB	\$9,502,986	1.38%	\$6,609,592	0.74%	\$16,112,579	1.02%	0.00%	*10-year subcontracting projection  PRC clause H.20 small business (SB) requirement: ≥17% of Total Contract Price performed by SB Total Contract Price: \$5,347,694,180 17% requirement: \$909,108,011 Awarded: \$779,315,366 Balance to Requirement: \$129,792,644	
Large	\$192,655,620	28.05%	\$274,822,040	30.57%	\$467,477,661	29.48%	0.00%		
GOVT	\$62,646	0.01%	\$1,027,350	0.11%	\$1,089,996	0.07%	0.00%		
GOVT CONT	\$116,749,664	17.00%	\$217,705,893	24.21%	\$334,455,557	21.09%	0.00%		
EDUC	\$2,669	0.00%	\$94,752	0.01%	\$97,421	0.01%	0.00%		
NONPROFIT	\$32,912	0.00%	\$3,241,211	0.36%	\$3,274,123	0.21%	0.00%		
FOREIGN	\$28,080	0.00%	\$120,240	0.01%	\$148,320	0.01%	0.00%		
<b>Total</b>	<b>\$686,744,152</b>		<b>\$899,117,669</b>		<b>\$1,585,861,821</b>				

**Notes:**

1. Performance through January 2011 continues to exceed goals in the Disadvantaged Business, Woman Owned, and Veteran Owned categories and lag our goal for HUB zone and Service Disabled Veteran business awards. Forty-nine percent of total awards have been made to small businesses with approximately 55 percent of ARRA awards to small businesses.
2. ARRA-funded awards have accounted for 43 percent of all actions placed since contract inception.
3. Over 94 percent of the total dollars arise from service and staffing Contracts and Contract amendments with four percent of the dollars arising from P-Card purchases and the balance from purchase orders for materials and equipment.
4. This report excludes blanket contract values which are only estimates and not used for payment obligations.
5. Data is summarized by business categories (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
<b>CONTRACT</b>			
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 (CBFO).	Ongoing