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# Monthly Performance Report

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**January 2012**  
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### PROJECT BASELINE SUMMARY SECTIONS

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## EXECUTIVE SUMMARY

The Engineering, Projects & Construction (EPC) Project team achieved a project milestone with the inoculation of the 200 West Groundwater Treatment Facility. Crews placed microorganisms, or “bio bugs,” into tanks within the facility. The task was a major step toward beginning operations of the facility.

The Plutonium Finishing Plant (PFP) Closure Project team loaded the first glovebox into the recently procured Standard Large Box 2 (SLB2) container. Implementing the containers was a joint effort between Waste and Fuels Management (W&FM) and PFP to procure and deploy the containers that will help more efficiently transport gloveboxes for disposal at the Waste Isolation Pilot Plant.



**PFP crews load a glovebox into a Standard Large Box 2 (SLB2) container**



**Demolition of PFP's 2736-ZB Vault Complex continues**

intended to promote the free flow of information. The mailbox is maintained by CHPRC General Counsel. Responses are posted to the CHPRC intranet.

The Decommissioning and Demolition (D&D) team continued demolition at the PFP 2736-ZB Vault Complex, moving on to the main facility.

The W&FM team completed the Acceptance Testing Plan (ATP) for the High Energy Real-Time Radiography (HERTR) in support of Washington Closure Hanford (WCH) and completed repair of reverse osmosis pump 60F-P-2B at the Effluent Treatment Facility (ETF).

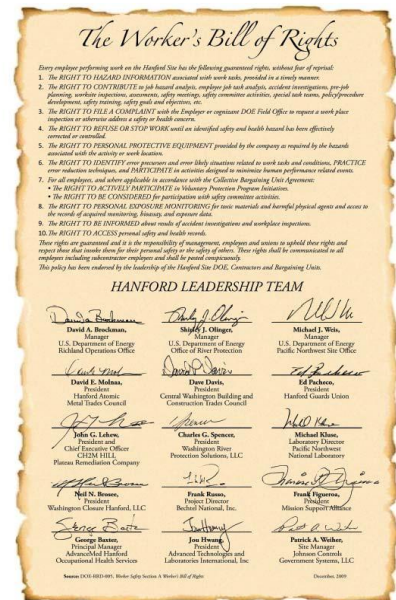
CHPRC launched the “Just Ask” mailbox to invite employees to submit questions about ethics and business conduct. The tool is

**Focus on Safety**

The January 2012, President’s Zero Accident Council (PZAC) meeting was sponsored by the Safety, Health, Security, and Quality (SHS&Q) Organization. The three principal themes for the meeting were:

- Refocus on Health
- Workers’ Bill of Rights
- Refocus on Commitments

Following a rousing round of stretching and flexing, the meeting kicked off with a presentation on the benefits of exercise offered by the Site occupational medical provider. The presentation was centered around integrating exercise throughout each day so that it becomes a lifestyle, rather than a daily obligation. The next presentation reminded employees that each of us at Hanford has guaranteed rights. These ten “Worker Bill of Rights” are endorsed by CHPRC and center around safety, such as the right to be involved in hazard analysis, the right to personal protective equipment, and the right to stop work until identified hazards are controlled. Additional presentations included a vehicle incident report, the Environmental Management System, and updates on CHPRC Voluntary Protection Program efforts. The injury and illness performance metrics were reviewed, showing a continued trend downward and the best recordable and DART rates since contract transition.



Four “Thinking Target Zero” bulletins were published in January as part of the CHPRC winter safety emphasis, providing information on the following topics:

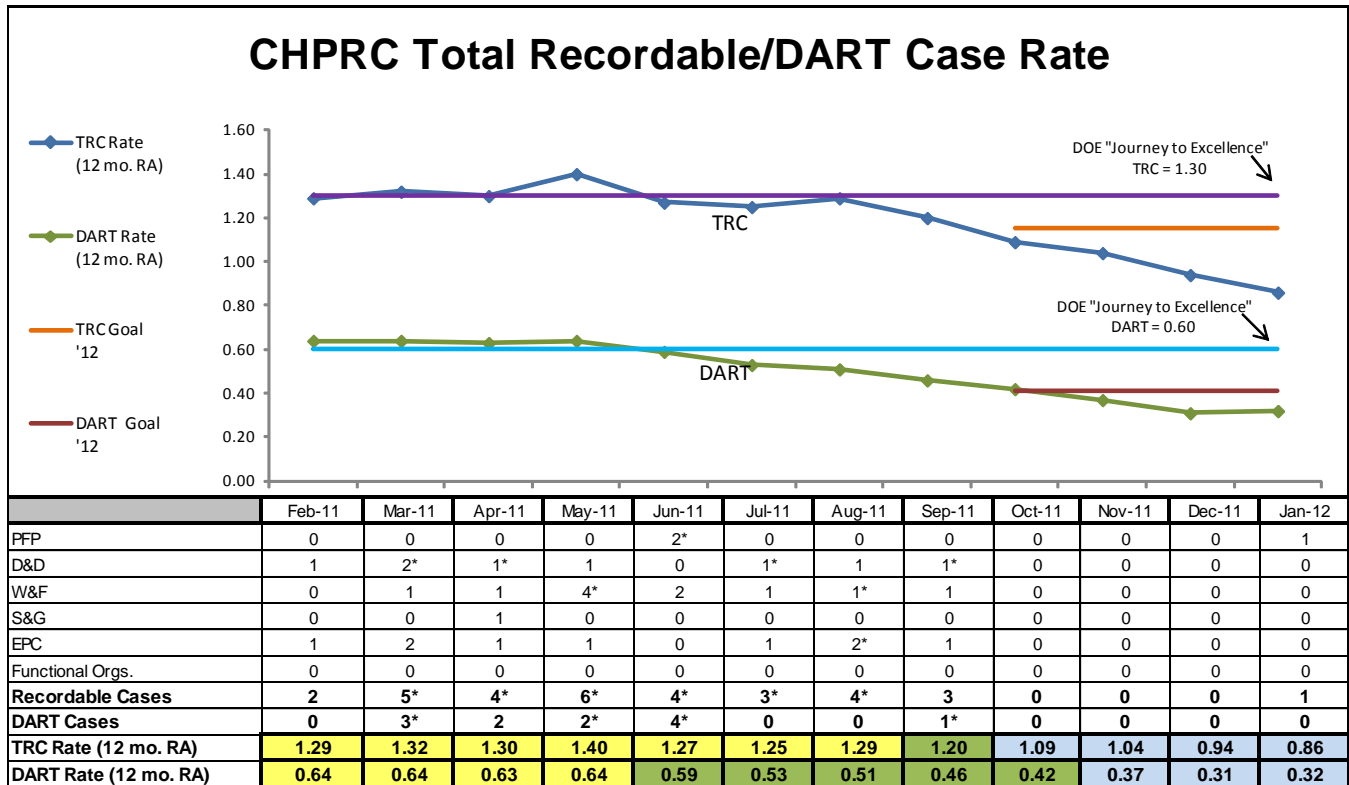
- Ensuring a Safe New Year
- Staying Focused
- Winter Personal Protective Equipment

Five *Weekly Safety Tailgate* briefing packages were issued in January to convey the following important topics and safety messages:

- 2012 Re-focus on Safety following the holiday season
- Proper dosimetry management
- Site-wide exercise challenge
- RL notification on the process for resolving differing professional opinions
- Managing pre-existing wounds in contaminated areas
- New on site location for SHS&Q personnel
- Fostering a “machine over muscle” work ethic
- New hours for the site occupational medical provider
- CHPRC goal to achieve ISO 14001 Certification
- Summaries of injuries, illnesses, and close calls

## TARGET ZERO PERFORMANCE January 2012

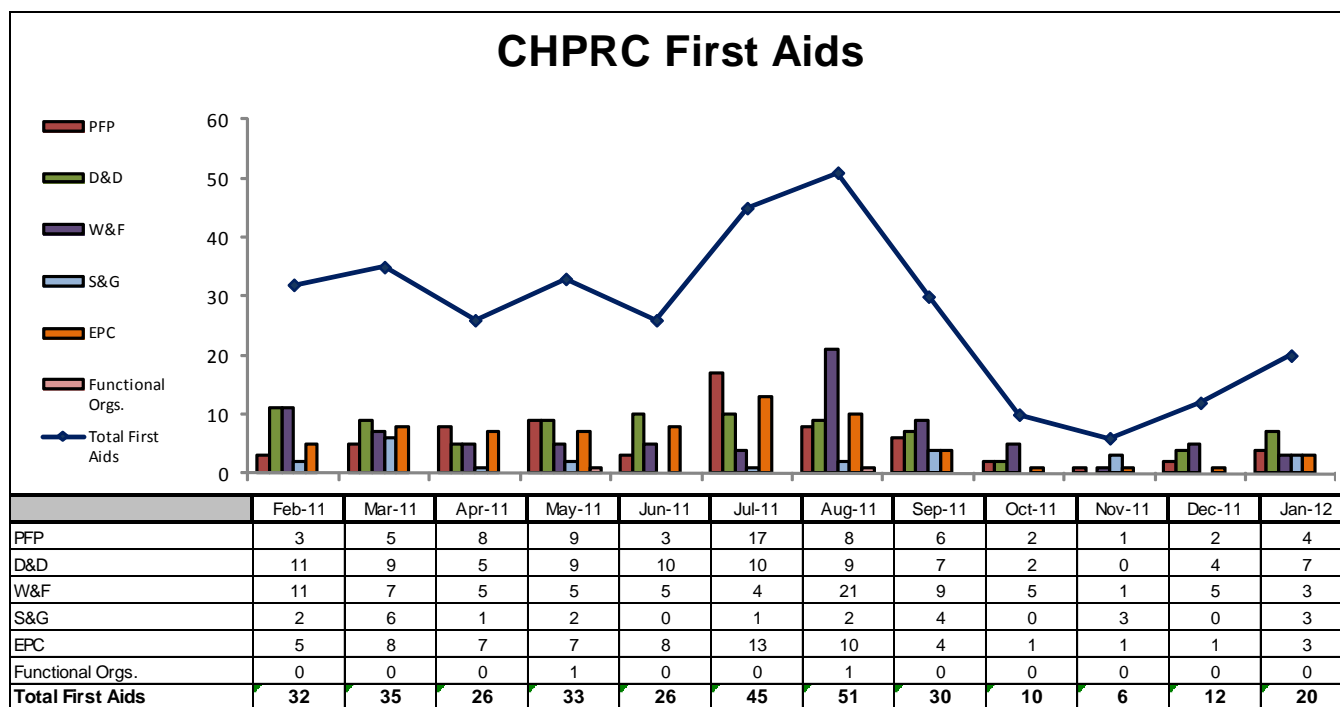
CHPRC continued focusing on integrating safety programs in all program and project areas.



**Total Recordable Injury Case (TRC) Rate** – The 12 month rolling average TRC rate of 0.86 is based upon a total of 32 recordable injuries. There was one Recordable case in January.

**Days Away, Restricted or Transferred (DART) Workdays Case Rate** – The 12 month rolling average DART rate of 0.32 is based upon a total of 12 cases (5 Restricted, 7 Days Away Cases). There are currently four cases under review requiring additional information.

\*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** – CHPRC reported 20 first-aid cases in January. The biggest contributors were 10 sprains, strains and/or pains from awkward positions, over-exertions and slips/trips/falls at same level (walking, etc.). There were five abrasions/contusions all resultant from slips/trips/falls at same level. The other first aid injuries were varied.

## KEY ACCOMPLISHMENTS

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

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

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

Removed 90% of the E4 duct in Room 235B that interfered with the installation of gantry cranes for glovebox separation. The methodology for assembling the gantry cranes was verified in the 212-Z yard to support planning.

The electrical isolation of the Room 235A-2 gloveboxes was completed. The Polychlorinated Biphenyl (PCB) contamination area in the Room 235A-2 pit was cleaned and fixed.

The planning was completed and the work was started to disposition the glovebox hold up material in Room 235A-3

#### **Backside Rooms (Rooms 158-172) D&D**

Issued first work package and commenced Room 166 D&D effort.

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

Demolition continued on two 2736-ZB complex buildings, 2721-Z and 2736-ZB. 2721-Z was completed and removed, while 2736-ZB demolition and load out continued.

#### **Base**

A ventilation flow reversal in 234-5Z from the Remote Mechanical C (RMC) Line Control Room Zone 3 through Door 281 to Corridor 2 Zone 1 was identified. In response, Technical Safety Requirements

(TSR) Limiting Condition for Operations (LCO) Conditions for deficient filtered exhaust and differential pressure were entered, thus placing the facility in a “Terminate Activities” condition. The ventilation reversal was corrected late Sunday, January 29 and the Terminate Activities restriction removed approximately mid-day Monday, January 30.

### **Plutonium Reclamation Facility (PRF)**

The Standard Waste Boxes (SWBs) containing the segments of Tank 25 were shipped on Wednesday, December 28th, completing the first increment for the pencil tank Performance Incentive (PI).

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

Following review with Engineered Container Retrieval and Transport System (ECRTS) personnel and incorporation of comments, subcontractor AREVA submitted their final draft of the 90% Design of the K West Annex.

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

#### **ARRA**

#### **MLLW Treatment**

Closed out the American Recovery and Reinvestment Act (ARRA) funded contracts associated with M-91-43 and 435.1 legacy M/LLW.

#### **TRU Retrieval Lay-Up Activities**

The Waste Receiving and Processing Facility (WRAP) and the T Plant Transition Plans are undergoing revision during January with final approval in February.

#### **Base**

#### **Project Management**

Provided support to DOE-RL FY2014 budget formulation.

#### **Capsule Storage & Disposition**

Completed annual 294B domestic backflow preventive maintenance.

Completed annual radioactive material area inspection (no findings).

#### **WRAP**

Initiated activities to complete repack of last 10 containers at WRAP.

#### **T-Plant**

Completed 2 TSR scheduled surveillances.

#### **Central Waste Complex (CWC)**

Received 4 shipments of Transuranic (TRU) waste totaling 11 SWB's and 32 drums.

#### **Liquid Effluent Facilities**

Received 2 tankers (calendar year [CY] 8k gallons).

200A Treated Effluent Disposal Facility (TEDF) discharged 1M gallons (CY 1M).

Received Environmental Restoration Disposal Facility (ERDF) leachate (323k gallons) at Liquid Effluent Retention Facility (LERF) Basin 44 (CY 323k ).

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

### **Base**

#### **GW Remedy Implementation**

200WP&T: Continued Acceptance Test Procedures. Inoculated the Fluidized Bed Reactor (FBR) with heterotrophic facultative bacteria to start the biological colony. Continued construction on the Sludge Stabilization System (Lime addition).

#### **Operations**

#### **Strategic Integration**

In coordination with RL, Office of River Protection (ORP) and prime contractors, developed material for the Hanford Senior Executive Council action item on “ARRA Lessons Learned.”

#### **Technical Integration**

DOE/RL-2011-50 Rev. 0 “Regulatory Basis and Implementation of a Graded Approach to Evaluation of Groundwater Protection” (Graded Approach document) was completed and signed by the Tri-Parties.

Revision 1 of the Performance Assessments and Composite Analysis annual summary reports (DOE/RL-2011-108, -109, -110) are complete, have been cleared, and copies provided to DOE-RL for distribution.

#### **Environmental Databases**

Implemented new database application that streamlines work flow and reduces processing time for analytical data reviews.

### **Central Plateau**

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

Drilling of the extraction well and monitoring well was completed. Well completion activities are underway and are expected to be complete by mid-February 2012. All seven crossings are complete and all above-ground pipeline has been placed (~8500 ft. total). Remaining pipeline work will be completed pending well completions.

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

Construction and ATP of the Waste Management Area (WMA) S-SX extraction system was completed, except for final pipeline connects to the 200 West Treatment Facility and the well racks, which are scheduled to be made by March 2012.

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

### **ARRA**

#### **209E Project**

Completed site stabilization and continued demobilization activities.

### **Base**

#### **Outer Zone D&D**

Completed 40 operational surveillances.

Completed 78 Rad Ops surveillances (including 5 Radiation Area Remedial Action [RARA] surveys).

Completed 2 TSR surveillances.

Completed 14 of 15 scheduled preventive maintenance (PM) activities; 1 PM extended.



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

Continued with large equipment disposal to ERDF for 190KW Main Pump House.

**Base****Facilities**

Began repair work on the 105KE reactor building openings.

Initiated 105KE Safe Storage Enclosure (SSE) 90% design review and prepared formal design review comments.

Completed removal of rain water from the interior of the 105KE reactor building.

Conducted walk down of 105KE reactor building with CHPRC EPC for material inventory removal.

Continued sediment load-out of 183.2KE Basin sediment.

Continued with asbestos abatement of 105KE tunnel.

Continued with erecting scaffolding and demolition preparation at 183.7KE Structure.

**Waste Sites**

Completed Planning and Scoping for Area AA Zone 1. AA Zone 1 Issued Excavation Release Checklist.

Commenced Pipe Removal and remediation of AA Zone 1. Began Shipment of Pipe removed to ERDF.

**MAJOR ISSUES****RL-0011 Nuclear Materials Stabilization and Disposition**

**Issue** - On August 29, Exhaust Fan #1 in the 291-Z facility catastrophically failed and caused a small fire when a hot bearing made contact with the drive belt. The facility implemented required casualty response actions and the fire was extinguished. Normal ventilation for the facility was shut down and backup steam turbine driven exhaust fans were placed in service. Per the TSR, the facility was placed in a "Terminate Activities" mode which halted all D&D activities.

**Corrective Actions** - A thorough evaluation of the 291-Z exhaust fans was performed. The evaluation identified additional mechanical issues with most of the remaining exhaust fans. A positive Unreviewed Safety Question (USQ) determination was declared and Evaluation of Safety of the Situation (ESS) was prepared and submitted to RL for approval. The ESS was approved by RL on September 15, 2011 (Letter #11-SED-0165). Normal ventilation fans were restarted and the Terminate Activities condition was exited. Normal D&D activities were authorized to commence. A JCO was submitted to RL via letter CHPRC-1104667 R1 on November 28 as directed by the ESS.

**Status** - Exhaust Fan 3 and 5 weld repair preparations are continuing. The containment tent for EF-5 is being installed and welding is scheduled to begin in late March. The exhaust ventilation system Enhanced Maintenance Program procedures have been completed and will be implemented upon return of EF-5 to service.

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

No major issues to report this month.

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

No major issues to report this month.

**RL-0030 Soil and Groundwater Remediation**

**Issue** - The number of comments on Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) documents and the need for technical decisions is impacting contractual delivery due dates and decreasing float on major TPA Milestone M-015-005 "DOE shall complete the RI/FS process through the submittal of a Proposed Plan for all 100 and 300 Area operable units".

**Corrective Action -**

- 1) Development of detailed Field Execution Schedules
- 2) Engagement of RL Assistant Manager for Central Plateau (AMCP) Management for technical decisions
- 3) Identified additional resources necessary to meet schedule
- 4) Partnering sessions between RL and CHPRC

**Issue** - The 200 West Groundwater Treatment Facility Project has experienced an increase in several work activities due to realization of risks previously established, resulting in an increased Estimate to Complete (ETC) and therefore an increased Variance at Completion (VAC). The changes in work activities have cost and schedule impacts beyond the cost of the mitigating action itself and in some cases compounding effects (e.g., changes in work activities caused delay to construction completion, which in turn results in weather issues during testing that were not previously expected). Another common cost impact is retaining staff beyond the project's ramp down/closeout plan to manage work that was delayed. The impacts occur in the following areas:

- Equipment Impacts due to Weather
- Well capacity
- Fiber Optic Cable in place of wireless
- Touch-up Painting/Trade Damage
- Sludge Stabilization System (Lime)
- Programming Support/ Integration of Package Software Systems
- Tank Repairs
- Piping Supports/Repairs
- Procedure/As-Building Development
- MBR Recirculation Loop & Chemical Skid Modifications

**Corrective Action** - The Project will work with SGW Ops to mitigate the impact of realized risks by:

- Develop Baseline Change Requests (BCRs) by type of change to the project and implement into Performance Management Baseline (PMB) utilizing Management Reserve (MR).
- Re-evaluate cost savings efforts across the project.
- Evaluate viability of Credits and Back Charges against subcontractors who own some of the responsibilities.
- Evaluate need for potential deferral of SGW FY2012 scope.

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

**Issue:** The final end state of 6652L needs to be provided by RL so the planning on how to proceed can be started. This is specifically regarding the significant amount of asbestos left in the facility.

**Corrective Action:** Definition of end state/regulatory agreements is required in writing.

**Status:** Work is on hold until end state decision can be made, which also impacts the estimate and schedule for the project.

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

**Issue** – Waste Site Remediation will not be able to complete the remediation work scope tied to waste sites 100-K-57 and 100-K-64 by December 31, 2012. The sites are located in an area of extreme cultural sensitivity. The inability to complete this work by December 31, 2012, is being driven by the lack of an approved cultural resources mitigation action plan.

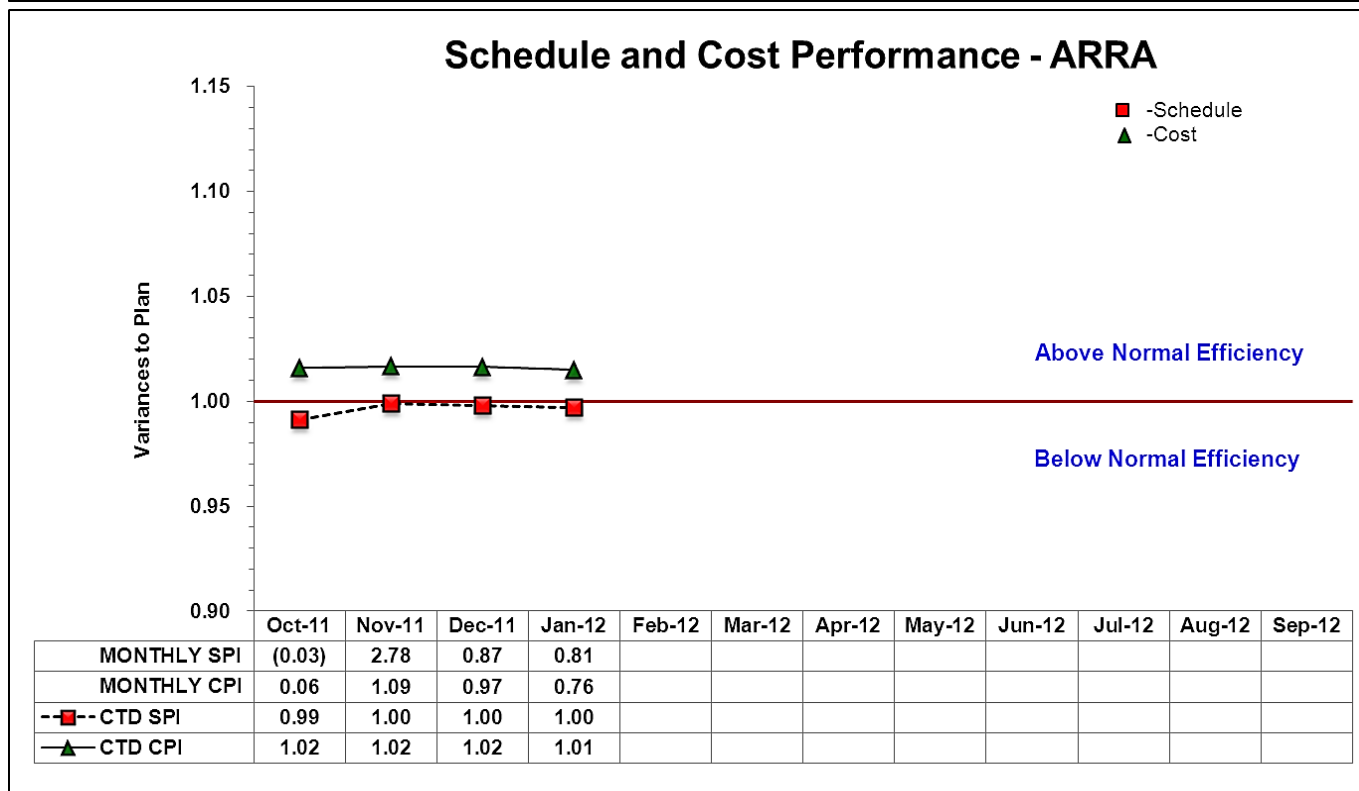
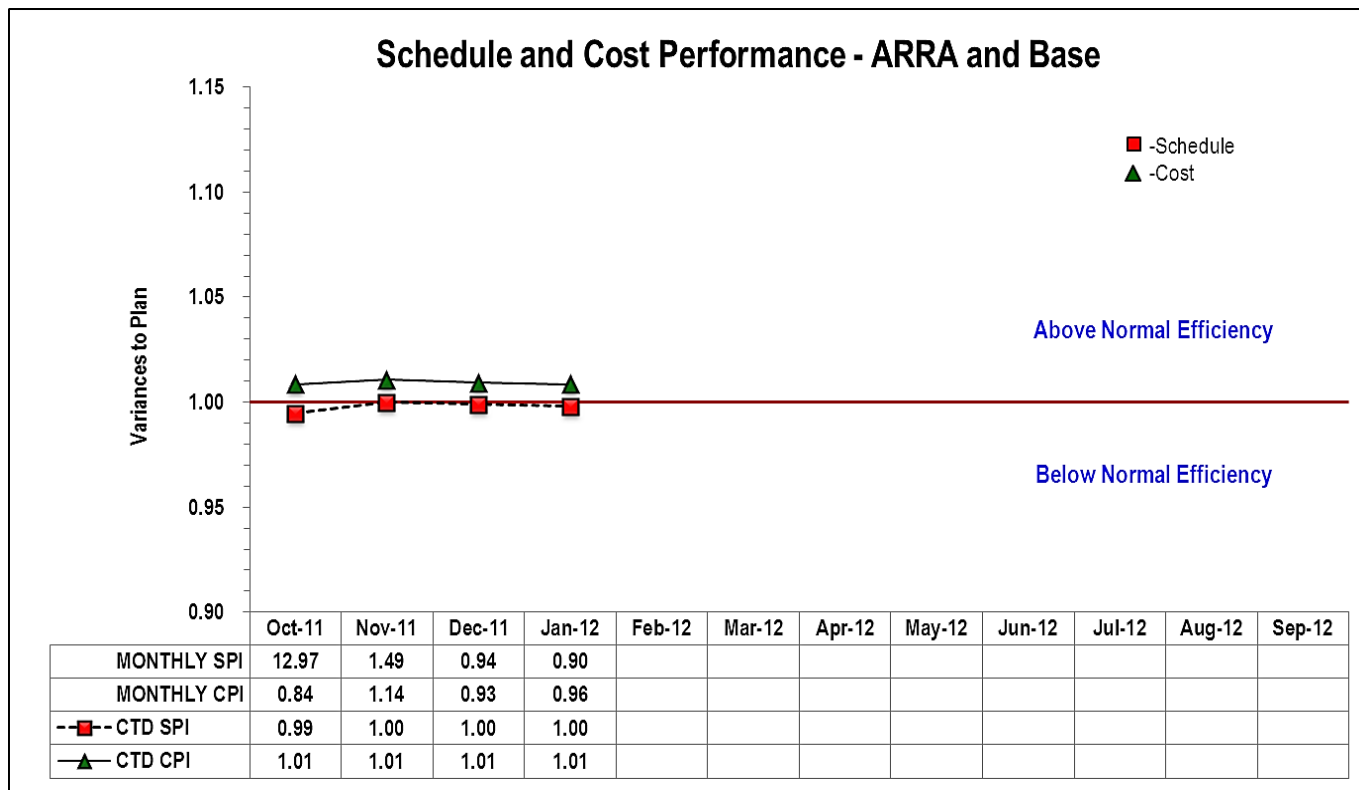
**Corrective Action** – Discussions ongoing to move this waste site from TPA Phase 1 to TPA Phase 3.

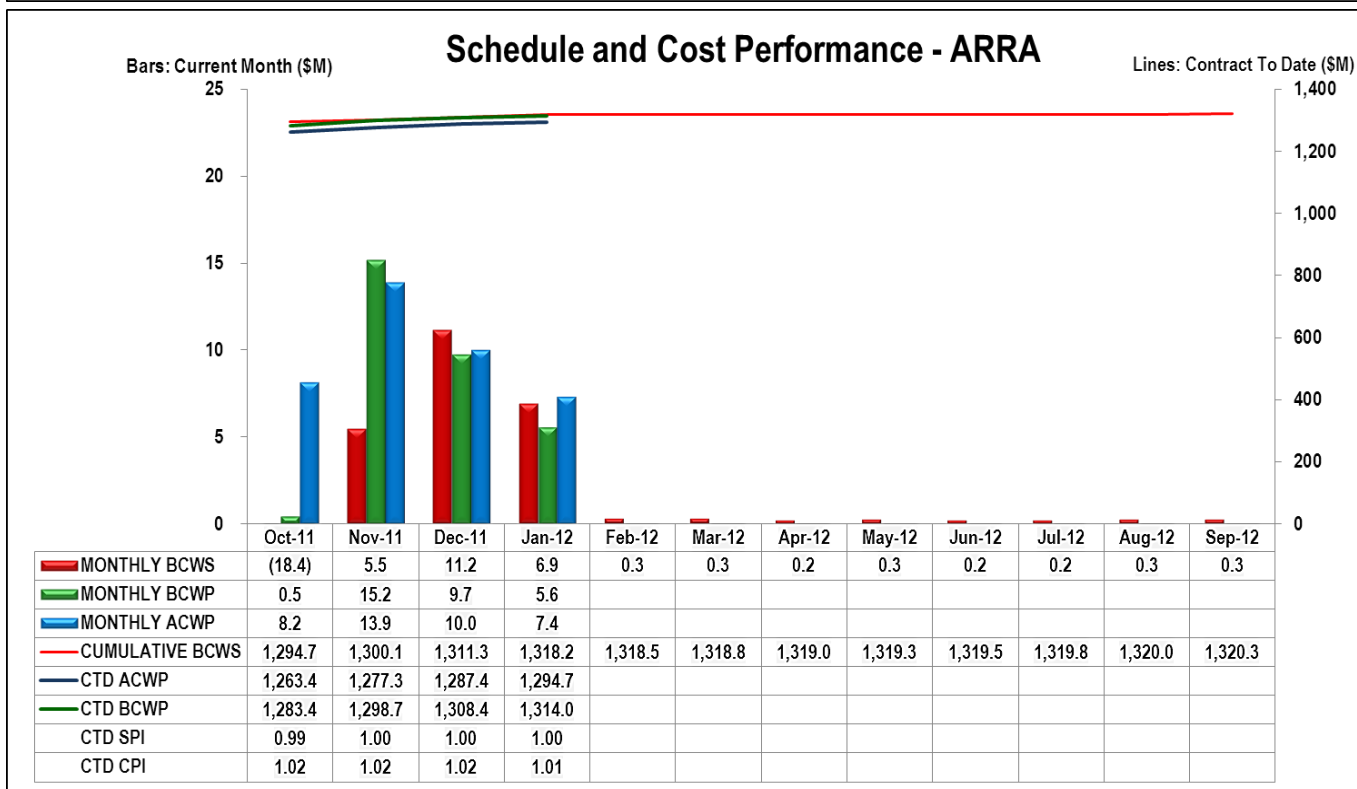
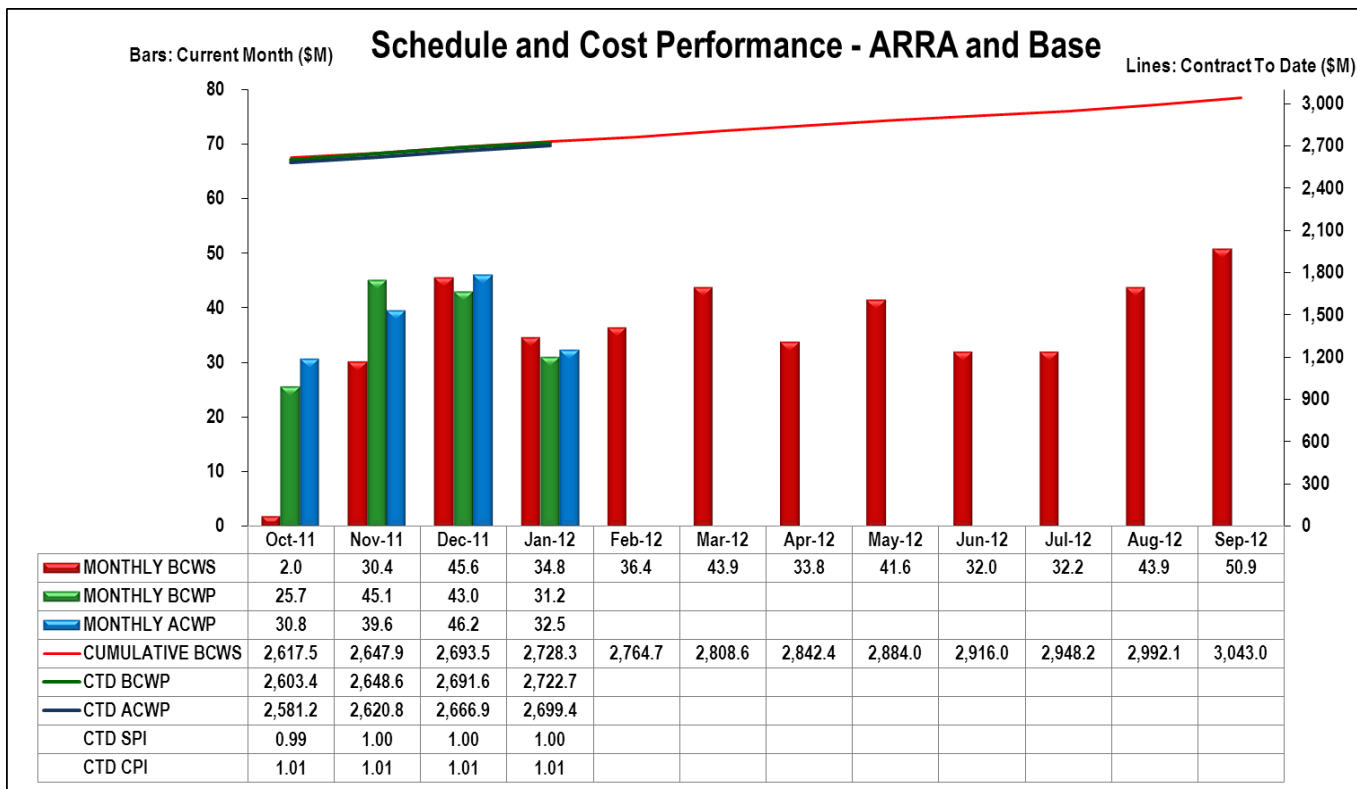
**Status** – CHPRC drafted a TPA change package for RL to present to Environmental Protection Agency (EPA) for approval that will move this waste site from TPA Phase 1 to TPA Phase 3. RL presented the change package to EPA, but EPA is not inclined to move the sites into a later TPA Phase.

**RL-0042 Fast Flux Test Facility Closure**

No major issues to report this month.

## EARNED VALUE MANAGEMENT





## Performance Analysis – January

### ARRA Performance by PBS

	\$M				
	Current Period				
	Budgeted Cost		Actual Cost	Variance	
	BCWS	BCWP	ACWP	Schedule	Cost
RL-0011 - PFP D&D	6.1	5.0	5.4	(1.1)	(0.4)
RL-0013 - MLLW Treatment	0.0	0.0	0.0	0.0	(0.0)
RL-0013 - TRU Waste	0.1	0.2	0.1	0.1	0.0
RL-0030 - GW Capital Asset	0.0	0.0	0.1	0.0	(0.1)
RL-0030 - GW Operations	0.0	0.0	0.0	0.0	(0.0)
RL-0040 - U Plant/Other D&D	0.1	0.3	0.6	0.2	(0.3)
RL-0040 - Outer Zone D&D	0.0	0.0	0.0	0.0	(0.0)
RL-0041 - 100K Area Remediation	0.5	0.1	1.0	(0.5)	(0.9)
(Numbers are rounded to the nearest \$0.1M)	<b>Total</b>	<b>6.9</b>	<b>5.6</b>	<b>7.4</b>	<b>(1.3)</b>
		<b>6.9</b>	<b>5.6</b>	<b>7.4</b>	<b>(1.8)</b>

### ARRA

The Current Month unfavorable Schedule Variance: (-\$1.3M/-19.3%) reflects:

- The RL-0011 negative variance (-\$1.1M) is a result of inability to work planned shifts in RMA/RMC process lines due to key resource absence during holiday week, lack of work package backlog, and D&D work restriction. Delays in demolition of the ZB Complex result from more effort required to ready 2736-ZB for demolition and time lost recovering from an un-sampled waste water incident. The Hanford site closure for inclement weather also contributes to the unfavorable variance.
- The RL-0013 positive variance (+\$0.1M) is within reporting thresholds.
- The RL-0030 variance (+\$0.0M) is within reporting thresholds.
- The RL-0040 positive variance (+\$0.2M) is within reporting thresholds.
- The RL-0041 negative variance (-\$0.5M) is within reporting thresholds.

The Current Month unfavorable Cost Variance (-\$1.8M/-31.8%) is within reporting thresholds and reflects:

- The RL-0011 negative variance (-\$0.4M) is within reporting thresholds.
- The RL-0013 positive variance (+\$0.0M) is due to the following subproject performance:
  - RL-0013 MLLW Treatment (-\$0.0M) and RL-0013 TRU Waste (+\$0.1M) positive variance is within reporting thresholds. However, ARRA layup activities were replanned to a newly established RL requested/authorized ARRA subproject. Costs associated with replanned scope will be corrected and/or transferred to the new subproject in the next reporting period (February 2012).

- The RL-0030 negative variance (-\$0.1M) is within reporting thresholds.
- The RL-0040 negative variance (-\$0.3M) is within reporting thresholds.
- The RL-0041 negative variance (-\$0.9M) reflects the following:
  - 100K Area Project Facilities and Others negative variance (-\$0.9M) is due to Waste Disposal costs for D4 structures that were completed late in FY2011, but the debris was not loaded and sent to ERDF until FY2012.

## Base Performance by PBS

	\$M				
	Current Period				
	Budgeted Cost		Actual Cost	Variance	
	BCWS	BCWP	ACWP	Schedule	Cost
RL-0011 - Nuclear Materials Stab & Disp PFP	3.3	3.1	2.7	(0.3)	0.4
RL-0012 - SNF Stabilization & Disposition	6.1	5.9	5.8	(0.2)	0.0
RL-0013 - Solid Waste Stab & Disposition	5.8	5.7	5.2	(0.1)	0.5
RL-0030 - Soil & Water Rem-Grndwtr/Vadose	8.2	7.8	8.5	(0.4)	(0.7)
RL-0040 - Nuc Fac D&D - Remainder	0.8	0.8	0.9	0.0	(0.1)
RL-0041 - Nuc Fac D&D - RC Closure Project	3.5	2.2	2.1	(1.3)	0.2
RL-0042 - Nuc Fac D&D - FFTF Project	0.1	0.1	(0.0)	0.0	0.1
<b>Total</b>	<b>27.8</b>	<b>25.6</b>	<b>25.1</b>	<b>(2.3)</b>	<b>0.5</b>

(Numbers are rounded to the nearest \$0.1M)

### Base

The Current Month unfavorable Schedule Variance (-\$2.3M/-8.2%) reflects:

- The RL-0011 negative variance (-\$0.3M) is within reporting thresholds.
- The RL-0012 negative variance (-\$0.2M) is within reporting thresholds.
- The RL-0013 negative variance (-\$0.1M) is within reporting thresholds.
- The RL-0030 negative variance (-\$0.4M) reflects the following subproject performance:
  - RL-0030.C1 GW Remedy Implementation negative variance (-\$0.4M) is due to 200 ZP-1 Operable Unit fiberglass repairs and inclement weather that caused schedule delay to acceptance testing.
- The RL-0040 positive variance (+\$0.0M) is within reporting thresholds.
- The RL-0041 negative variance (-\$1.3M) is primarily due the following:
  - Waste Sites (-\$1.4M) The negative schedule variance is due to Area AM not being worked as scheduled due to the Memorandum of Agreement (MOA) not being approved.
- The RL-0042 positive variance (+\$0.0M) is within reporting thresholds.

The Current Month favorable Cost Variance (+\$0.5M/+1.8%) reflects:

- The RL-0011 positive variance (+\$0.4M) is within reporting thresholds.
- The RL-0012 Combined 100K and STP (+\$0.0M) variances are within reporting thresholds.
- The RL-0013 positive variance (+\$0.5M) is primarily due to the correction of a Mixed Low Level Waste (MLLW) inadvertent charge made in the prior period (December accrual was made for the remaining value of the contract and corrected in this reporting period). In addition, staff utilization was below plan due to holidays and weather impacts. Partially offset by resources being transferred from ARRA to Base. Since ARRA funding is exhausted, remaining work required to reach and maintain planned facility conditions will be executed and costed under Base funding.
- The RL-0030 negative variance (-\$0.7M) Primary contributors that exceed the reporting thresholds reflect the following subproject performance:
  - RL-0030.01 RL 30 Operations (+\$0.1M) All variances are within reporting thresholds except those listed below:
    - GW Monitoring and Performance Assessments (-\$0.7M) The negative variance is a result of the work stoppage at Waste Sampling and Characterization Facility (WSCF) earlier this fiscal year, laboratory sample analyses were sent to off-site labs. Invoices for the off-site work have been slow in being submitted. The off-site labs are paid by P-card when the invoices are actually received. The delays in invoice submittal have resulted in cost underruns in prior months. This month a manual accrual was made for earlier months, causing a current period overrun. The overall impact of the WSCF work stoppage is being addressed as part of a BCR that will address the project risk that was realized when WSCF was closed for lab analysis.
    - 200-ZP-1 Operable Unit (+\$0.3M) The positive variance is primarily as a result of continued efficiencies in operation of the current 200-ZP-1 Pump & Treat facility and less resources are also being used than was originally planned for the new 200 West Pump & Treat facility operations ramp-up.
  - RL-0030.C1 GW Remedy Implementation negative variance (-\$0.9M) is due to:
    - 200-ZP-1 Operable Unit (-\$0.9M) Sludge Stabilization System installation is costing more than budgeted. There have been significant delays in long lead equipment, field installation issues, design changes and schedule extensions.
- The RL-0040 negative variance (-\$0.1M) is within reporting thresholds.
- The RL-0041 positive variance (+\$0.2M) is within reporting thresholds.
- The RL-0042 positive variance (+\$0.1M) is within reporting thresholds.



## Performance Analysis – Contract to Date

### ARRA Performance by PBS

	\$M								
	Contract to Date					Contract Period			
	Budgeted Cost		Actual Cost	Variance		BAC	EAC	Variance	
	BCWS	BCWP	ACWP	Schedule	Cost				
RL-0011 - PFP D&D	285.2	281.3	290.0	(3.9)	(8.6)	293.7	295.8	(2.1)	
RL-0013 - MLLW Treatment	47.7	47.7	42.7	(0.0)	5.0	47.7	42.7	5.0	
RL-0013 - TRU Waste	256.8	256.8	255.0	(0.0)	1.8	256.8	255.0	1.8	
RL-0030 - GW Capital Asset	175.0	175.0	174.7	0.0	0.3	175.0	175.0	0.0	
RL-0030 - GW Operations	92.1	92.1	89.3	(0.0)	2.8	92.1	89.3	2.8	
RL-0040 - U Plant/Other D&D	199.4	199.3	192.4	(0.1)	6.9	199.4	192.6	6.8	
RL-0040 - Outer Zone D&D	84.3	84.3	71.7	0.0	12.6	87.3	75.1	12.2	
RL-0041 - 100K Area Remediation	177.6	177.4	179.0	(0.2)	(1.6)	179.7	182.1	(2.3)	
(Numbers are rounded to the nearest \$0.1M)	<b>Total</b>	<b>1,318.2</b>	<b>1,314.0</b>	<b>1,294.7</b>	<b>(4.2)</b>	<b>19.3</b>	<b>1,331.8</b>	<b>1,307.6</b>	<b>24.2</b>

### ARRA

The CTD unfavorable Schedule Variance (-\$4.2M/-0.3%) is within reporting thresholds and reflects:

- The RL-0011 negative variance (-\$3.9M) is within reporting thresholds.
- The RL-0013 negative variance (-\$0.0M) is within reporting thresholds.
- The RL-0030 positive variance (+\$0.0M) is within reporting thresholds.
- The RL-0040 negative variance (-\$0.1M) is within reporting thresholds.
- The RL-0041 negative variance (-\$0.2M) is within reporting thresholds.

The CTD favorable Cost Variance (+\$19.3M/+1.5%) is within reporting thresholds and reflects:

- The RL-0011 negative variance (-\$8.6M) is within reporting thresholds.
- The RL-0013 positive variance (+\$6.8M) reflects the following subproject performance:
  - RL-0013 MLLW Treatment (+\$5.0M), TRU Waste (+\$0.3M) and TRU Waste Facility Tans MinSafe (+\$1.5M) positive cost variances are due to efficiencies in TRU Characterization and Shipping, TRU Repackaging, T Plant and WRAP, MLLW efficiencies created by treating waste at Energy Solutions (ES) - Clive rather than planned treatment at PermaFix Northwest (PFNW) due to a waiver received from RL, ERDF negotiated rate reduction with vendor for waste containers, partially offset by increased materials and labor costs in support of the Trench Face Retrieval and Characterization System (TFRCS), and increased resources for TRU Retrieval deteriorated waste containers, increased allocations for additional office space and other assessments as a result of allocations to Recovery Act expenditures.
- The RL-0030 positive variance (+\$3.1M) reflects the following subproject performance:
  - RL-0030.R1.1 GW Capital Asset (+\$0.3M) positive variance is within reporting thresholds.
  - RL-0030.R1.2 GW Operations (+\$2.4M) The positive variance is due to the following:

- Drilling (+\$2.4M) The positive cost variance is due to efficiencies and savings obtained in drilling for 100-NR-2 and 200-BP-5 wells. Cost efficiencies have been obtained through an aggressive drilling schedule with savings in support personnel and faster drilling methods. Well decommissionings have also been completed for less than planned.
- Regulatory Decision and Closure Integration (+\$1.7M) The positive variance is due to 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).
- Ramp-up and Transition (-\$1.8M) The negative variance was driven by increased Project Services Distribution to RL-0030.
- The RL-0040 positive variance (+\$19.8M) reflects the following subproject performance:
  - ARRA RL-0040.R1.1 U Plant/Other D&D (+\$6.9M) The positive variance is due to several factors including the favorable performance of the Cold and Dark and Sampling and Characterization/Waste Identification Form teams (D4); overhead allocations, less than anticipated resources for Program Management and C-3 Sampling; lower than planned costs for capital equipment (D4), and less asbestos abatement required for 200W buildings. This is 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), coupled with increased insulator staff and the use of overtime to recover schedule, 200E Administration and 209E Project delays, less resources required at U Canyon (D4), and Usage Based Services higher than planned.
  - ARRA RL-0040.R1.2 Outer Zone D&D (+\$12.6M) The positive variance is due to efficiencies in Arid Lands Ecology (ALE), North Slope Facilities, disposition of railcars D&D, and Outer Area waste sites. The waste site favorable cost-to-date variance is primarily due to an O-Zone Remove, Treat, and Dispose (RTD) Waste Sites adjustments (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 variance is associated with increased costs for the 212N/P/R Project due to the walls of the basins being much thicker than estimated.
- The RL-0041 negative variance (-\$1.6M) is due to the following:
  - Waste Sites (+\$9.0M) – The positive variance is due to Confirmatory Sampling No Action (CSNA) sites that were completed at less than anticipated cost. This is partially offset by greater than anticipated extent and severity of contamination on many waste sites resulting in more tons disposed and more controls required, thus higher than anticipated cost.
  - 100K Area Project (-\$10.6M) – The negative variance is due to numerous design changes and additional punch list items in the Utilities Reroute project; this has also resulted in the project utilizing more vehicles and equipment than was originally planned as well as the Project Management costs to rise due to the corresponding increases for both labor and materials.

## Base Performance by PBS

	\$M								
	Contract to Date					Contract Period			
	Budgeted Cost		Actual Cost	Variance					
	BCWS	BCWP	ACWP	Schedule	Cost	BAC	EAC	Variance	
RL-0011 - Nuclear Materials Stab & Disp PFP	169.6	168.8	170.4	(0.8)	(1.7)	595.5	594.6	0.8	
RL-0012 - SNF Stabilization & Disposition	274.4	274.8	275.6	0.4	(0.8)	625.6	625.6	(0.0)	
RL-0013 - Solid Waste Stab & Disposition	338.5	337.6	343.9	(0.9)	(6.3)	1,523.8	1,529.3	(5.6)	
RL-0030 - Soil & Water Rem-Grndwtr/Vadose	457.3	456.8	467.8	(0.5)	(11.0)	1,231.2	1,248.5	(17.3)	
RL-0040 - Nuc Fac D&D - Remainder	71.9	72.0	64.3	0.1	7.7	683.5	667.0	16.5	
RL-0041 - Nuc Fac D&D - RC Closure Project	85.9	86.3	71.6	0.4	14.7	313.5	301.6	11.9	
RL-0042 - Nuc Fac D&D - FFTF Project	12.6	12.6	11.1	0.0	1.5	25.4	23.9	1.5	
(Numbers are rounded to the nearest \$0.1M)	<b>Total</b>	<b>1,410.1</b>	<b>1,408.7</b>	<b>1,404.7</b>	<b>(1.3)</b>	<b>4.0</b>	<b>4,998.4</b>	<b>4,990.5</b>	<b>7.9</b>

### Base

The CTD unfavorable Schedule Variance (-\$1.3M/-0.1%) is within reporting thresholds and reflects:

- The RL-0011 negative variance (-\$0.8M) is within reporting thresholds.
- The RL-0012 positive variance (+\$0.4M) the combined 100K and STP variances are within reporting thresholds.
- The RL-0013 negative variance (-\$0.9M) is within reporting threshold. The variance is due to CSB, WESF, and ETF engineering activities delayed due to resource availability (assigned to higher priority activities).
- The RL-0030 negative variance (-\$0.5M) reflects the following subproject performance:
  - RL-0030.01 RL 30 Operations (+\$1.5M) The positive variance is due to:
    - 100 NR-2 Operable Unit (+\$2.3M) The positive variance has resulted from performing barrier expansion and sampling support that was planned in FY2013, being performed in FY2011 and FY2012.
  - RL-0030.C1 GW Remedy Implementation (-\$2.0M) The negative variance is within reporting threshold and due to:
    - 200 ZP-1 Operable Unit (-\$2.0M) The negative variance is due to delays associated with Sludge Stabilization System subcontractor submittals, fair cost estimates, award of contracts and design changes.
- The RL-0040 positive variance (+\$0.1M) is within reporting thresholds.
- The RL-0041 positive variance (+\$0.4M) is due to the following:
  - Waste Sites (+\$0.3M) The positive variance is due to CSNA sites that were completed ahead of schedule partially offset by delays with receiving approval of the MOA to work Area AM.
  - 100K Area Project (+\$0.1M) The positive variance is within reporting thresholds.
- The RL-0042 positive variance (+\$0.0M) is within reporting thresholds.

The CTD favorable Cost Variance (+\$4.0M/+0.3%) is within reporting thresholds and reflects:

- The RL-0011 negative variance (-\$1.7M) is within reporting thresholds.
- The RL-0012 negative variance (-\$0.8M) The combined 100K and STP variances are within reporting thresholds.
- The RL-0013 negative variance (-\$6.3M) is due to:
  - Mission Support Alliance (MSA) assessments above plan, TRU Retrieval additional resources to deal with deteriorated containers and drum wedge issue, FY2009 WRAP facility increased levels of corrective and preventive maintenance activities as a result of repack operations, increased labor and subcontractors support for Transportation and Packaging; partially offset by efficiencies in Liquid Effluent Facility (LEF), MLLW, TRU Disposition, TRU Repackaging, Interim Storage Area upgrades, Capsule Storage and Disposition, Mixed Waste Disposal Trenches (MWDT) and lower G&A allocations.
- The RL-0030 negative variance (-\$11.0M) primary contributors that exceed the reporting thresholds are as follows:
  - RL-0030.01 RL 30 Operations (-\$2.7M) The negative variance can be attributed to:
    - Integration & Assessments (+\$4.0M) Less subcontractor support required for Central Plateau strategy development and integration, Sample Management and Reporting has performed work scope more efficiently than planned, less cleanup document reviews were required than originally planned, requiring less contract support. Also, efficiencies/savings were realized in establishing document templates, reviewing procedures, and software procurements.
    - Drilling (-\$2.6M) Radiological contamination encountered on five NR-2 wells has caused additional supporting resource requirements (Health Physics Technicians). In order to recover schedule additional well drilling rigs were used, resulting in overruns to the project. Also, cost for remaining casing at the completion of the project was accrued as it cannot be released to the contractor.
    - 100-NR-2 OU (+\$2.9M) Barrier expansion and sampling scope, chemical treatment and maintenance scope, jet grouting pilot test work, RI/FS Work Plan and Interim Proposed Plan Reporting were performed more efficiently than planned leading to the positive variance.
    - 100 HR-3 Operable Unit (-\$3.5M) Primary contributors to the negative cost variance are due to 100 DX extensive effort required to design the pH adjustment system, cost overruns in completing the OU Remedial Process Optimization studies, 100 DX higher than expected cost to complete acceptance test plan and the operational test plan, cost of realigning wells from DR-5 to 100 DX, 100 HX Construction cable cost increased due to increases in copper prices and additional time and resources being spent on internal CERCLA (RI/FS) document development that will be recovered in completed Draft A document.
    - 200-ZP-1 Operable Unit (+\$0.9M) Labor and subcontract cost for general operations and minor modifications support for 200-ZP-1 interim pump & treat facility is significantly less than planned. The system is running very smoothly with less adjustment than had been anticipated. Efficiencies are expected to continue with the interim facility operations until startup of the new 200 West Pump & Treat facility.
    - 200 PW-1 OU (+\$1.1M) Labor and subcontract cost for general operations and minor modifications support is less than planned. In addition, efficiencies and savings experienced

with the Soil Vapor Extraction (SVE) system testing prior to March 2010 as well as the removal of two old SVE units.

- Usage Based Services (-\$1.4M) 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.
- o RL-0030.C1 GW Remedy Implementation (-\$8.3M) the negative variance can be attributed to:
  - 200-ZP-1 Operable Unit (-\$8.3M) The negative variance is due to 200W P&T construction associated with the CHPRC accrued costs for Construction Contractors completed work scope defined in Change Notifications which are in the process of definitization. The costs are associated with the resources expended to complete the P&T facility by the end of FY2011 including added shifts, overtime, and logistics of working parallel activities. 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, 200W Pump-and-Treat Remedial Design/Remedial Action work plan and preliminary design activities were completed with fewer resources than planned.
- The RL-0040 positive variance (+\$7.7M) is primarily due to recognized efficiencies for demolition of the Industrial 7 Project (D4) as a result of utilization of existing site equipment and materials, surveillance and maintenance costs (D4) less than expected, completion of the sampling of Cell 30 with less resources than planned, Program Management utilizing less resources, capital equipment, Usage Base Services, and underrun in overhead allocations.
- The RL-0041 positive variance (+\$14.7M) cost variance is within established reporting thresholds. The project is currently experiencing impacts associated with:
  - o Waste Sites (+\$10.4M) The positive variance is due to CSNA sites that were completed at less than anticipated cost. This is partially offset by greater than anticipated extent and severity of contamination on many waste sites resulting in more tons disposed and more controls required, thus higher than anticipated cost, as well as level-of-effort activities bearing additional costs for increased functional group support.
  - o 100K Area Project (Facilities and Others) (+\$4.3M) The positive cost variance is due to 105KE Reactor Disposition – ISS underrun as well as G&A and Direct Distributables.
- The RL-0042 positive variance (+\$1.5M) reflects reduction in surveillance and maintenance requirements as the facility deactivation reached completion. Efficient use of resources to support deactivation activities with available time further aided in creating this positive variance.

## FUNDING ANALYSIS

### FY2012 Funds vs. Fiscal Year Spend Forecast (\$M)

PBS	Project	FY 2012		Variance
		Projected Funding	Spending Forecast	
<b>RL-0011</b>	Nuclear Materials Stabilization and Disposition	33.4	33.4	0.0
<b>RL-0013</b>	Waste and Fuels Management Project	4.6	4.6	0.0
<b>RL-0030</b>	Soil, Groundwater and Vadose Zone Remediation	0.6	0.6	0.0
<b>RL-0040</b>	Nuclear Facility D&D, Remainder of Hanford	9.2	9.2	0.0
<b>RL-0041</b>	Nuclear Facility D&D, River Corridor	6.5	6.5	0.0
<b>Total ARRA:</b>		<b>54.2</b>	<b>54.2</b>	<b>0.0</b>
<b>RL-0011</b>	Nuclear Materials Stabilization and Disposition	99.4	93.7	5.7
<b>RL-0012</b>	Spent Nuclear Fuel Stabilization and Disposition	87.5	83.6	3.9
<b>RL-0013</b>	Waste and Fuels Management Project	88.3	84.6	3.7
<b>RL-0030</b>	Soil, Groundwater and Vadose Zone Remediation	121.1	121.6	(0.5)
<b>RL-0040</b>	Nuclear Facility D&D, Remainder of Hanford	11.3	11.2	0.1
<b>RL-0041</b>	Nuclear Facility D&D, River Corridor	36.1	35.2	0.9
<b>RL-0042</b>	Fast Flux Test Facility Closure	2.0	1.6	0.4
<b>Total Base:</b>		<b>445.7</b>	<b>431.4</b>	<b>14.3</b>

#### Funds/Variance Analysis:

ARRA funding reflects FY2011 carryover funds. The ARRA spending forecast assumes that all ARRA funding is spent in FY2012. Base funding reflects FY2011 carryover funds of \$42.2M and FY2012 new budget authority of \$403.6M. Base funding was reduced by \$0.3M in January; \$0.6M was added to RL-0012 and \$0.9M was reduced from RL-0040.

## BASELINE CHANGE REQUESTS

In January 2012, CHPRC approved and implemented twelve (12) baseline change requests (BCRs), of which seven (7) was administrative in nature and did not change scope, schedule or budget. The twelve change requests are identified in the table below:

Change Request #	Title	Summary of Change
<b>Implemented into the Earned Value Management System for January 2012</b>		
BCRA-PRC-12-005R0	<i>CEIS and P6 Reconciliation of "Closed" activities to Match Cobra</i>	BCR corrects discrepancies in budget quantities/hours between CEIS, P6, and Cobra.
BCRA-PRC-12-007R0	<i>January 2012 PMB BCR Log Reconciliation to Cobra</i>	This BCR reconciles the BCR Log to Cobra.
BCRA-PRC-12-008R0	<i>January 2012 FEE BCR Log Reconciliation to Cobra</i>	This BCR reconciles the BCR Log to Cobra.
BCRA-PRC-12-009R0	<i>January 2012 MR BCR Log Reconciliation to Cobra</i>	This BCR reconciles the BCR Log to Cobra.
BCRA-PRC-12-010R0	<i>Admin BCR for Miscellaneous HPIC Changes</i>	Multiple HPIC Forms for WBS Changes/New WBS/CACN Requests
BCRA-030-12-005R0	<i>RL-30 January Baseline Administrative Changes</i>	This BCR implemented: <ol style="list-style-type: none"> <li>1. Changed FOC Name</li> <li>2. Established two new WBS elements</li> <li>3. Modified two WBS titles</li> <li>4. Moved work scope under Level-2 WBS elements</li> <li>5. Identified the TPA &amp; PBI Global coding</li> <li>6. Added/modified additional activity coding assignments within P6</li> </ol>
BCRA-041-12-003R0	<i>RL-41 EVM coding, logic, and WBS description changes.</i>	<ol style="list-style-type: none"> <li>1. Changed EVM coding on activities with zero budgets.</li> <li>2. Removed logic ties to TPA phase 1 for Waste Sites not associated to Phase 1.</li> <li>3. Changed wording in Basis of Estimate for WBS 41.02.08.01.01 removing references to Core Removal</li> <li>4. Created new WBS for 105KW ISS and moved out year budget from 41.02.02.02.12.05</li> <li>5. Corrected PI metrics by adding milestones for Waste Site Remediation.</li> </ol>
BCR-000-12-002R0	<i>Beryllium Program Revision to Estimate</i>	This Baseline Change Request revises the Budgeted Cost of Work Scheduled (BCWS) for the Beryllium Program to encompass the current estimate for those activities required to execute contract requirements and to complete Central Plateau remediation and closure. This increase in BCWS is reflected in

Change Request #	Title	Summary of Change
		the company G&A cost.
BCR-000-12-004R0	<i>Functional Programs Labor Estimate Revision</i>	This Baseline Change Request revises the Budgeted Cost of Work Scheduled for WBS 000 functional programs by addition of a "OZ" labor adjustment to narrow the range between the planned and actual rates, minimizing the disparity in the rates and ensuring the data is comparable to facilitate analysis.
BCR-R13-12-001R0	<i>W&amp;FM ARRA Buy-Back</i>	This change documents the creation of an ARRA buy-back subproject (RL-013C.R1.3) to accommodate additional ARRA scope necessary to ramp down TRU Waste Facilities (WRAP, T Plant & LLBG) to minimum safe configurations.
BCR-041-12-002R0	<i>Waste Site 100-K-102 Realized Risks</i>	The discovery of lead in pipelines that had been expected to be non-hazardous represented realization of two risks: WSR-047, Unforeseen Waste Site Event and PRC-029 – Unforeseen Facility Condition. Management reserve will be utilized to offset the cost impacts associated with these realized risks.
BCR-041-12-005R0	<i>Realized Risk for the 116-KE-3; 105-KE Fuel Storage Basin Sub-Basin Drainage Disposal System Crib and Storage Basin French Drain</i>	In the process of remediating the 116-KE-3 Waste Site, it was determined that additional sampling and analysis is required to determine a path forward to either complete the remediation or to determine a long range plan.

Overall the contract period performance measurement baseline (PMB) budget is increased \$120K in January 2012.

In January 2012 management reserve (MR) is reduced in the amount of (\$686K).

#### Management Reserve Activity

BCR Number	Title	Fiscal Year	MR (ARRA) & PBS	MR (Base) & PBS
BCR-041-12-002R0	<i>Waste Site 100-K-102 Realized Risks</i>	2012 & 2017	N/A	RL-041/2012/\$422.3K & RL-041/2017/\$149.8K
BCR-041-12-005R0	<i>Realized Risk for the 116-KE-3; 105-KE Fuel Storage Basin Sub-Basin Drainage Disposal System Crib and Storage Basin French Drain</i>	2012	N/A	RL-041/2012/\$113.9K
<b>Overall MR Change in January 2012 – (\$686K)</b>				

**Use of Management Reserve (MR):** Base MR was reduced by (\$686K) for January 2012.

There were no Fee adjustments in January 2012.



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 2012, would be an increase of \$120K and is summarized by fiscal year in the tables below (dollars in thousands, negative number represents reduction):

### January 2012 Summary of Changes

	FY2009	FY2010	FY2011	FY2012	FY2013	FYs 2009-2013	FYs 2014-2018	Contract Period Total	Post Contract Total	Total PMB
<i>December 2011 Estimate</i>										
PMB	653,429	960,017	1,002,105	426,911	474,445	3,516,907	2,812,519	6,329,427	64,797	6,394,224
Mgmt Rsrv (MR)	0	0	0	11,687	10,487	22,174	65,069	87,243	0	87,243
Fee	39,712	48,772	32,322	17,000	18,000	155,806	94,400	250,207	0	250,207
<b>Total</b>	<b>693,141</b>	<b>1,008,789</b>	<b>1,034,427</b>	<b>455,598</b>	<b>502,932</b>	<b>3,694,887</b>	<b>2,971,988</b>	<b>6,666,877</b>	<b>64,797</b>	<b>6,731,674</b>
<i>Change by Funding Source in January 2012</i>										
<b>PMB</b>										
<b>ARRA</b>										
All ARRA WBSs	-3	0	0	123	0	120	0	120	0	120
<b>Base</b>										
All Base WBSs	0	0	0	536	0	536	150	686	0	686
<b>Change to PMB</b>	<b>-3</b>	<b>0</b>	<b>0</b>	<b>659</b>	<b>0</b>	<b>656</b>	<b>150</b>	<b>806</b>	<b>0</b>	<b>806</b>
<b>MR</b>										
<b>ARRA</b>										
All ARRA WBSs	0	0	0	0	0	0	0	0	0	0
<b>Base</b>										
All Base WBSs	0	0	0	-536	0	-536	-150	-686	0	-686
<b>Change to MR</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>-536</b>	<b>0</b>	<b>-536</b>	<b>-150</b>	<b>-686</b>	<b>0</b>	<b>-686</b>
<b>Fee</b>										
<b>ARRA</b>										
All ARRA WBSs	0	0	0	0	0	0	0	0	0	0
<b>Base</b>										
All Base WBSs	0	0	0	0	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>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Change</b>	<b>-3</b>	<b>0</b>	<b>0</b>	<b>123</b>	<b>0</b>	<b>120</b>	<b>0</b>	<b>120</b>	<b>0</b>	<b>120</b>
<i>January 2012 Estimate</i>										
PMB	653,426	960,017	1,002,105	427,570	474,445	3,517,563	2,812,669	6,330,233	64,797	6,395,030
MR	0	0	0	11,151	10,487	21,638	64,919	86,557	0	86,557
Fee	39,712	48,772	32,322	17,000	18,000	155,806	94,400	250,207	0	250,207
<b>Total</b>	<b>693,138</b>	<b>1,008,789</b>	<b>1,034,427</b>	<b>455,721</b>	<b>502,932</b>	<b>3,695,007</b>	<b>2,971,988</b>	<b>6,666,997</b>	<b>64,797</b>	<b>6,731,794</b>

**Changes to/Utilization of Management Reserve in January 2012**

		FY2009	FY2010	FY2011	FY2012	FY2013	FY2009-2013	FY2014-2018	Total
<b>Management Reserve (MR) - End of December 2011</b>									
<b>ARRA</b>	RL-0011.R1	0	0	0	0	0	0	0	0
	RL-0013.R1.1	0	0	0	0	0	0	0	0
	RL-0013.R1.2	0	0	0	0	0	0	0	0
	RL-0030.R1.1	0	0	0	0	0	0	0	0
	RL-0030.R1.2	0	0	0	0	0	0	0	0
	RL-0040.R1.1	0	0	0	0	0	0	0	0
	RL-0040.R1.2	0	0	0	0	0	0	0	0
	RL-0041.R1	0	0	0	0	0	0	0	0
<b>ARRA Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Base</b>	RL-0011	0	0	0	5,500	5,000	10,500	8,100	18,600
	RL-0012	0	0	0	1,600	1,800	3,400	8,952	12,352
	RL-0013	0	0	0	500	400	900	21,687	22,587
	RL-0030	0	0	0	2,832	2,032	4,864	13,639	18,503
	RL-0040	0	0	0	200	200	400	8,257	8,657
	RL-0041	0	0	0	1,000	1,000	2,000	4,176	6,176
	RL-0042	0	0	0	55	55	110	259	369
	<b>Base Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>11,687</b>	<b>10,487</b>	<b>22,174</b>	<b>65,070</b>	<b>87,243</b>
<b>MR Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>11,687</b>	<b>10,487</b>	<b>22,174</b>	<b>65,070</b>	<b>87,243</b>	
<b>Changes to/Utilization of Management Reserve in January 2012</b>									
<b>ARRA</b>	RL-0011.R1	0	0	0	0	0	0	0	0
	RL-0013.R1.1	0	0	0	0	0	0	0	0
	RL-0013.R1.2	0	0	0	0	0	0	0	0
	RL-0030.R1.1	0	0	0	0	0	0	0	0
	RL-0030.R1.2	0	0	0	0	0	0	0	0
	RL-0040.R1.1	0	0	0	0	0	0	0	0
	RL-0040.R1.2	0	0	0	0	0	0	0	0
	RL-0041.R1	0	0	0	0	0	0	0	0
<b>ARRA Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	
<b>Base</b>	RL-0011	0	0	0	0	0	0	0	0
	RL-0012	0	0	0	0	0	0	0	0
	RL-0013	0	0	0	0	0	0	0	0
	RL-0030	0	0	0	0	0	0	0	0
	RL-0040	0	0	0	0	0	0	0	0
	RL-0041	0	0	0	-536	0	-536	-150	-686
	RL-0042	0	0	0	0	0	0	0	0
	<b>Base Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>-536</b>	<b>0</b>	<b>-536</b>	<b>-150</b>	<b>-686</b>
<b>MR Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>-536</b>	<b>0</b>	<b>-536</b>	<b>-150</b>	<b>-686</b>	
<b>Management Reserve - End of January 2012</b>									
<b>ARRA</b>	RL-0011.R1	0	0	0	0	0	0	0	0
	RL-0013.R1.1	0	0	0	0	0	0	0	0
	RL-0013.R1.2	0	0	0	0	0	0	0	0
	RL-0030.R1.1	0	0	0	0	0	0	0	0
	RL-0030.R1.2	0	0	0	0	0	0	0	0
	RL-0040.R1.1	0	0	0	0	0	0	0	0
	RL-0040.R1.2	0	0	0	0	0	0	0	0
	RL-0041.R1	0	0	0	0	0	0	0	0
<b>ARRA Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	
<b>Base</b>	RL-0011	0	0	0	5,500	5,000	10,500	8,100	18,600
	RL-0012	0	0	0	1,600	1,800	3,400	8,952	12,352
	RL-0013	0	0	0	500	400	900	21,687	22,587
	RL-0030	0	0	0	2,832	2,032	4,864	13,639	18,503
	RL-0040	0	0	0	200	200	400	8,257	8,657
	RL-0041	0	0	0	464	1,000	1,464	4,026	5,490
	RL-0042	0	0	0	55	55	110	259	369
	<b>Base Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>11,151</b>	<b>10,487</b>	<b>21,638</b>	<b>64,920</b>	<b>86,557</b>
<b>MR Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>11,151</b>	<b>10,487</b>	<b>21,638</b>	<b>64,920</b>	<b>86,557</b>	

## SELF-PERFORMED WORK

Business structure information documents ongoing compliance with the requirements of the Contract Section H.20 clause entitled *Self-Performed Work*.

Contracts-to-Date Actual Awards & Mods								Projection to FY18	
Contracts + Purchase Orders + Pcard 10/1/08 -1/31/2012								Planned Subcontracting*	\$2,524,483,195
								Contract-to-date awards	\$1,884,028,535
								Bal remaining to award =	\$640,454,660
	ARRA		BASE		Total \$	Total %	Goal %	Goal award \$	Bal to goal \$
	\$	%	\$	%					
SB	\$377,999,489	53.51%	\$559,719,461	47.53%	\$937,718,950	49.77%	49.30%	\$1,244,570,215	\$306,851,266
SDB	\$77,998,093	11.04%	\$93,257,239	7.92%	\$171,255,332	9.09%	8.20%	\$207,007,622	\$35,752,290
SWOB	\$87,154,039	12.34%	\$100,580,934	8.54%	\$187,734,974	9.96%	7.50%	\$189,336,240	\$1,601,266
HUB	\$22,472,962	3.18%	\$22,006,773	1.87%	\$44,479,735	2.36%	2.20%	\$55,538,630	\$11,058,896
VOSB	\$53,521,892	7.58%	\$57,401,771	4.87%	\$110,923,663	5.89%	3.50%	\$88,356,912	(\$22,566,751)
SDVO	\$13,904,155	1.97%	\$37,483,625	3.18%	\$51,387,780	2.73%	1.30%	\$32,818,282	(\$18,569,498)
NAB	\$17,070,301	2.42%	\$10,118,719	0.86%	\$27,189,020	1.44%	0.00%	* 10-year subcontracting projection	
Large	\$241,870,018	34.24%	\$294,523,403	25.01%	\$536,393,421	28.47%	0.00%		
GOVT	\$117,126	0.02%	\$1,491,504	0.13%	\$1,608,629	0.09%	0.00%	PRC clause H.20 small business (SB) requirement:	
GOVT CONT	\$86,397,845	12.23%	\$318,713,452	27.07%	\$405,111,297	21.50%	0.00%	≥17% of Total Contract Price performed by SB	
EDUC	\$9,526	0.00%	\$108,101	0.01%	\$117,627	0.01%	0.00%	Total Contract Price:	\$5,525,855,581
NONPROFIT	\$37,188	0.01%	\$2,843,817	0.24%	\$2,881,004	0.15%	0.00%	17% requirement:	\$939,395,449
FOREIGN	\$28,773	0.00%	\$165,458	0.01%	\$194,231	0.01%	0.00%	SB Awarded:	\$937,718,950
<b>Total</b>	<b>\$706,459,964</b>		<b>\$1,177,568,571</b>		<b>\$1,884,028,535</b>			Balance to Requirement:	\$1,676,499

**Notes:**

1. Subcontracting goals have been met as a result of a concerted effort to award new small business actions and an update of the subcontracting goals to match the small business plan submitted to DOE in December 2010 that was verbally accepted by DOE in August. Fifty-one percent of total awards have been made to small businesses with approximately 54% of ARRA awards to small businesses.
2. ARRA-funded awards have accounted for approximately 44% of all actions placed since contract inception.
3. Approximately 93% of the total dollars arise from service and staffing Contracts and Contract amendments with five 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 (Women Owned Minority Business Enterprise codes) in accordance with socioeconomic reporting requirements. Small business categories overlap and should not be added together.

## GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

Contract Section	Project	GFS/I	Status
<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 Carlsbad Field Office.	Ongoing