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# Monthly Performance Report

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## CONTENTS

|  |    |
|--|----|
| EXECUTIVE SUMMARY.....                             | 2  |
| TARGET ZERO PERFORMANCE.....                       | 4  |
| KEY ACCOMPLISHMENTS .....                          | 5  |
| MAJOR ISSUES.....                                  | 9  |
| EARNED VALUE MANAGEMENT .....                      | 12 |
| FUNDING ANALYSIS .....                             | 21 |
| BASELINE CHANGE REQUESTS .....                     | 22 |
| SELF-PERFORMED WORK.....                           | 25 |
| GOVERNMENT FURNISHED SERVICES AND INFORMATION..... | 25 |

### PROJECT BASELINE SUMMARY SECTIONS

|   |   |
|---|---|
| Section A – Nuclear Materials Stabilization and Disposition of PFP (RL-0011)..... | A |
| Section B – Spent Nuclear Fuel Stabilization and Disposition (RL-0012) .....      | B |
| Section C – Solid Waste Stabilization and Disposition (RL-0013) .....             | C |
| Section D – Soil and Groundwater Remediation Project (RL-0030) .....              | D |
| Section E – Nuclear Facility D&D, Remainder of Hanford (RL-0040).....             | E |
| Section F – Nuclear Facility D&D, River Corridor (RL-0041).....                   | F |
| Section G – FFTF Closure (RL-0042).....   | G |

### APPENDICES

|   |
|---|
| Appendix A – Contract Performance Reports           |
| Appendix A-1 – Contract Performance Reports - ARRA  |
| Appendix B – Milestones, Metrics                    |
| Appendix C – Project Services and Support (WBS 000) |

## EXECUTIVE SUMMARY

The Engineering, Projects & Construction (EPC) Project completed construction of the S/SX transfer building that will support the 200 West Groundwater Treatment Facility that is soon to begin operations by the Soil and Groundwater Remediation Project (S&GRP). The team also completed the Leadership in Energy and Environmental Design (LEED) construction submittal to the Green Building Council.

In other work on groundwater treatment along the Columbia River, the S&GRP is transitioning the KX and KR4 groundwater treatment systems to the SIR-700 resin. The resin test for the KW system is ongoing.

The Waste & Fuels Management (W&FMP) celebrated the completion of one million hours without a Days Away, Restricted or Transferred (DART) case. The W&FMP Liquid Waste and



**S/SX transfer building**

Fuels Storage team completed the treatment of 300 million gallons at the Effluent Treatment Facility (ETF).



**Effluent Treatment Facility**

The Decommissioning and Demolition (D&D) team continued demolition on the Plutonium Finishing Plant (PFP) 2736-ZB Vault Complex and the 183-KE Sedimentation Basin. For the Sludge Treatment Project (STP), installation of the Knockout Pot Processing System (KPS) equipment in 105KW Basin also continued.

At the Plutonium Reclamation Facility, the PFP Closure Project team continued removal of pencil tank units for a total of 60 units removed through the end of February.

## Focus on Safety

The President's Zero Accident Council (PZAC) meeting for February 2012 was sponsored by the Soil & Groundwater Remediation Project. Three primary themes for the meeting were:

- Heart Health Awareness
- Automated External Defibrillator (AED) Awareness
- Cultural and Ecological Sensitivity

The presentation on Heart Health began with a poignant video on understanding and properly responding to symptoms of heart problems and disease. The presentation really found its rhythm when the audience learned the common symptoms of heart attack are only common within the genders, i.e., it is not always recognized that women suffer differently than men. Emergency actions to take following the onset of heart problems segued nicely into a presentation on how to properly use an AED. Experts in the archeological and historical history of Hanford provided riveting presentations on the rich culture and ecological landscape, including the requirements and ethics of respecting such an environment. An injury report was given and updates were provided on injury and illness performance metrics, the Voluntary Protection Program and the Environmental Management System (EMS). CHPRC President and Chief Executive Officer, John Lehew discussed a site wide asbestos concern and the proactive steps taken by CHPRC and other contractors to develop a joint action plan to resolve the issue. Mr. Lehew made it clear that many of the leadership roles of the action plan were under the stewardship of CHPRC and success would require everyone's



attention and commitment to worker safety. As part of the action plan, the new CHPRC Safety and Industrial Hygiene Hotline was announced as an additional avenue for employee safety concerns.

### There are multiple avenues for information, questions or concerns:

Your Supervisor, Project Industrial Hygienist, or  
HAMTC Safety Representative

CHPRC OS&IH Hotline: 509-373-4535

CHPRC online question form: [Just Ask online form](#)

Hanford Site-wide website for Asbestos:  
<http://www.hanford.gov/page.cfm/EmployeeAsbestosInformation>

Five "Thinking Target Zero" bulletins were issued in February, providing information on the following topics:

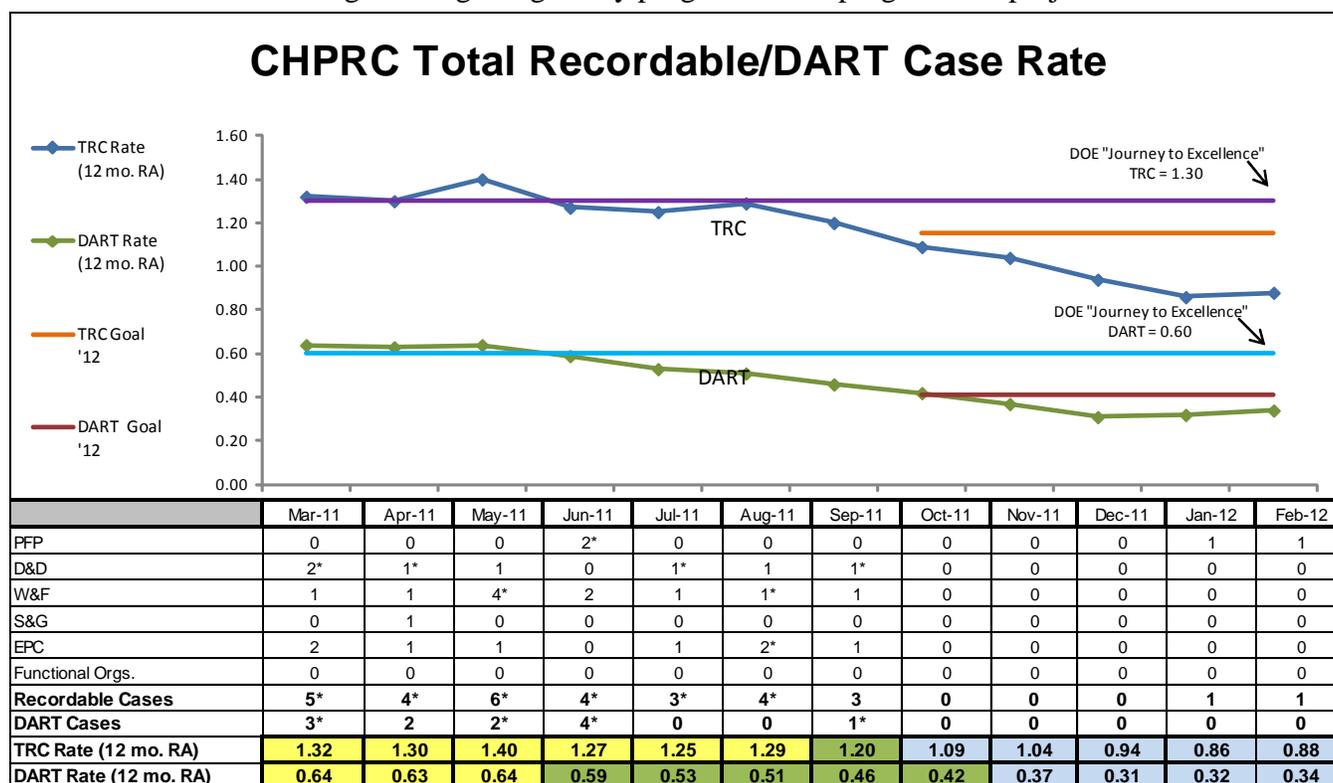
- Personal Protective Equipment
- Driving in Fog
- Housekeeping
- Heart Health
- Eye Health

Four *Weekly Safety Tailgate* briefing packages were published in February to convey the following important topics and safety messages:

- Updates to the Tags, Signs and Barricades procedure Approved government vehicle use
- Ensuring Employee Job Task Analyses are current, accurate and include participation from workers and safety and health professionals
- Posting of the OSHA 300A log for 2012
- Event reporting enhancements
- New on site location for Dosimetry Services
- Incorporation of hazardous energy control requirements
- Commitment to EMS
- Emergency notification process when using a radio
- Summaries of injuries, illnesses, and close calls

## TARGET ZERO PERFORMANCE February 2012

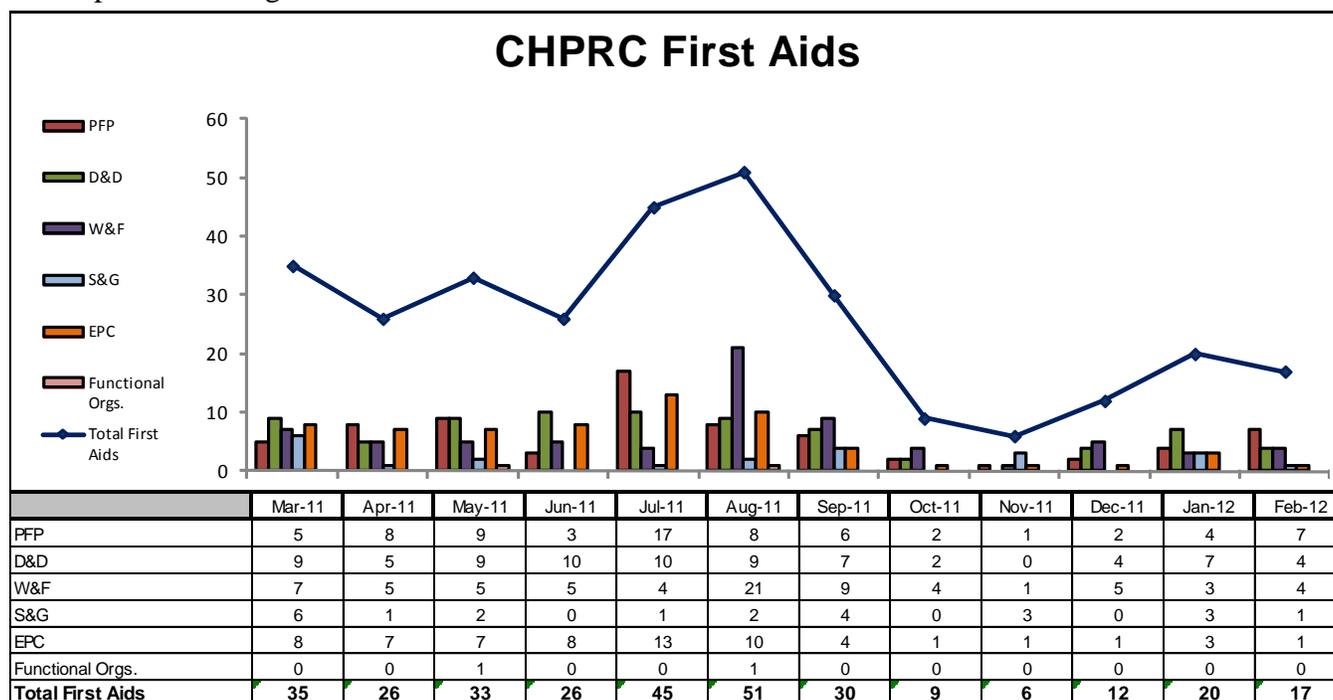
CHPRC continued focusing on integrating safety programs in all program and project areas.



**Total Recordable Injury Case (TRC) Rate** – The 12 month rolling average TRC rate of 0.88 is based upon a total of 31 recordable injuries. There was one Recordable case in February.

**Days Away, Restricted or Transferred (DART) Workdays Case Rate** – The 12 month rolling average DART rate of 0.34 is based upon a total of 12 cases (5 Restricted, 7 Days Away Cases). There are currently three 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 17 first aid cases in February. The biggest contributors were 10 sprains, strains and/or pains from awkward positions, over exertions and slips/trips/falls at same level. There were four abrasions/contusions from contact/being struck by an object and from slips/trips/falls. The other 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 Facility – ARRA

In Room 235B, the removal of the E4 duct that interfered with the installation of gantry cranes for glovebox separation was completed. In addition, 50% of the HA-23S lead shielding planned for removal was also completed.

In Room 235A-3, the disposition of the HA-9C holdup material was completed, the wet wipe down and NDA of gloveboxes HA-8A, HA-8B, HA-9C, HA-9D, and HA-9E was completed, and the removal of asbestos insulation and associated steam heat trace line was completed to prepare for HF line removal in Room 235A-3.

In Room 228A, the conveyor section HC-1A and E4 duct that serviced HC-11 was removed. In addition, one of two large emergency exhaust valves over the remaining conveyor sections was removed.

**Base****Disposition PFP Facility – Base****Backside Rooms (Rooms 158-172) D&D**

In room 166, reconfiguration was completed on the 17 inch vacuum system to support planned glovebag work, steel plating was placed over the floor trench to support planned D&D work, and the legacy TRU HEPA vacuum was packaged and dispositioned.

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

Process vacuum piping removal is just over 30 percent complete with 1,262 total feet removed.

A total of 594 feet of chemical piping transfer line has been removed.

785 feet of asbestos containing material was removed during the month of February. The total is 16,013 feet of asbestos removed.

**2736Z/ZB Vault Complex**

Demolition continued on 2736-ZB; the building is 55% demolished.

**Plutonium Reclamation Facility (PRF)**

Size reduction of Tank 15, 27, 28, 41, and 42 was completed.

The SWBs containing the segments from Tank 26 and Tank 28 were shipped.

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

Following clearing of the KOP Processing System (KPS) footprint, construction forces began installation of the KPS hardware in the 105 KW Basin in early February.

The first review draft of the Phase 2 Preliminary Technology Maturation Plan was issued for informal review by DOE-RL and the CHPRC STP project team. This plan forms the basis for meeting the TPA milestone M-016-171 (Complete K-Basin Sludge Technology Evaluation Report and Bench Testing Plan), due 03/31/12.

**RL-0013 Waste and Fuels Management Project****ARRA****Lay-Up Activities**

The updated WRAP and the T Plant Transition Plans were approved and released.

**Base****Project Management**

Initiated Business Case Analysis for deinventory of Cat I nuclear material from the Hanford Site in support of reducing site security costs.

Completed internal review of Chapters 3, 4 and 5 of the Solid Waste operations Complex (SWOC) Master Documented Safety Analysis (MDSA)/Technical Safety Requirements (TSR) Revision 9.

**Capsule Storage & Disposition**

Relocated 245 capsules out of 1098 as part of thermal balancing the capsule inventory in the pool cells.

Completed annual visual inspection of 225B for degradation.

Completed Waste Encapsulation and Storage Facility (WESF) Maintenance System training.

**Canister Storage Building (CSB)**

Completed 6-month multi-canister overpack (MCO) MCO handling machine (MHM) wire rope inspection.

Completed quarterly MHM interlock channel tests.

Completed annual MHM periodic lubrication.

**WRAP**

Continued repack of last ten containers.

Completed one Technical Safety Requirement (TSRs).

Completed 20 Preventive Maintenance (PMs) activities.

**T-Plant**

Completed 107 Operational Surveillances for January.

Issued Facility Modification Package (FMP) and completed repair on leaking fire piping.

**Central Waste Complex (CWC)**

Completed 179 Radiological Operations Surveillances.

Completed 18 Operational Surveillances.

Received four transuranic (TRU) waste shipments, which included the first two Standard Large Waste Boxes (SLB2) from PFP.

**Liquid Effluent Facilities (LEF)**

Received three tankers (calendar year [CY] 15k gallons)

Treated effluent to State-Approved Land Disposal Site: 1.8M gallons (CY 1.8M)

200A TEDF discharged 0.66M gallons (CY 1.66M)

Received ERDF leachate (105k gallons) at LERF Basin 44 (CY 429k)

**RL-0030 Soil and Groundwater Remediation****Base****GW Remedy Implementation**

200WP&T: Continued Acceptance Test Procedures (11 of 23 complete) on schedule. Initiated construction acceptance test (CAT) on the Sludge Stabilization System (Lime addition) with completion on schedule. Preparation for the Integrated Acceptance Test Procedure (IATP) and readiness continues on schedule.

**Operations****Strategic Integration**

Supported preparations for the Hanford Senior Executive Committee (HSEC) meeting on February 22, 2012 in Seattle. Developed material for the HSEC action item on "ARRA Lessons Learned" and transmitted it to the customer.

**Systematic Planning Integration**

Completed 200-UP-1 and 100-K FS cost estimates.

Briefed RL on CERCLA cost estimates to clarify differences with performance baseline.

**Environmental Databases**

Posted the Hanford Site Waste Management Units Report on the external web page to complete TPA commitment C-010-21.

**Central Plateau****200-BP-5 Operable Unit – Base**

Extraction well and monitoring well installations were completed. The fabrication of mechanical and electrical well racks were completed and installed on-site. Effluent Treatment Facility (ETF) pipeline tie-in activities were initiated.

**200-UP-1 Operable Unit – Base**

Construction and Acceptance Test Procedure (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. Field walkdowns of the system with Operations were completed as part of the operational turn-over process.

**Pump and Treat Operations – Base**

Operations is trending ahead of the goal of reaching one billion gallons of treated contaminated groundwater in FY2012.

**RL-0040 Nuclear Facility D&D, Remainder of Hanford****ARRA****209E Project**

Completed the demobilization of the 209E Critical Mass Laboratory demolition.

**Base****Outer Zone D&D**

Completed 30 operational surveillances

Completed 195 Radiological Operations surveillances.

Completed 31 of 31 scheduled preventive maintenance (PM) activities.

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

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

**Base****Facilities**

Continued repair work on the 105KE reactor building openings. Completed Installation of sheet metal cover over east side exterior door upper hatch and removed loose plywood.

Reviewed dispositions of 90% design review and provided additional RCR comments on Rev D of 105KE ISS design.

Conducted walk down to identify hazardous waste inventory and to plan temporary lighting for workers for the 105KE Reactor.

Continued sediment load-out of 183.2KE Basin sediment.

Continued with asbestos abatement of 105KE tunnel.

## Waste Sites

Completed removal of pipe in AA Zone 1.

Drafted VSI's for AA Zone 1 and AA Zone 2 and sent to DOE for review.

The Memorandum of Agreement (MOA) for Area AM is being reviewed. Work on the removal of the 1908K Structure and waste sites 100-K-80, 96, 81, 83, and 116-K-3 will not begin until the MOA is agreed upon.

## 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.

**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. Welding on Exhaust Fan 5 is scheduled to begin in late March. Upon successful completion of the welding and balancing of Exhaust Fan 5, the installation of switches to shut down the fans on high vibration will begin. The exhaust ventilation system Enhanced Maintenance Program procedures have been completed and will be implemented when Exhaust Fan 5 is returned to service.

**Issue** - D&D workers supporting 2736-ZB Demo will be released March 30, to Washington Closure Hanford (WCH).

**Corrective Action** – Balance of site will support the completion of 2736Z/ZB demolition activities with D&D workers from K-Basins through completion.

**Issue** – Recent injuries and a contamination event in the Duct Level in 234-5Z has prompted senior management to implement a corrective action to post the duct level as a continuous Airborne Radioactivity Area (ARA) and added additional controls for congested work areas.

**Corrective Action** – Due to working full time ARA in duct level and the extra controls to provide a safer work environment, efficiency has decreased in the overall baseline work plan. Additional radiological controls technician support is being evaluated to offset this loss of efficiency. The project is evaluating cost and schedule impacts with the other functional managers.

### 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 CERCLA document comments and the need for policy and technical decisions is impacting contractual delivery due dates and decreasing float on major TPA Milestone M-015-00D “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) Maintain list of policy and technical decisions that remain open and have been resolved
- 2) Development of detailed Field Execution Schedules
- 3) Engagement of Assistant Manager for Central Plateau (AMCP) Management for technical decisions
- 4) Identified additional resources necessary to meet schedule
- 5) Partnering sessions between RL and CHPRC

**Status** - AMCP Management is working with the Regulators to determine the appropriate path forward on policy level decisions. Additional resources have been obtained and are fully engaged in the completion of the CERCLA documents.

**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 continue to work with Soil & Groundwater Operations to work the funding issues by:

- 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

**Status** – BCRs were implemented in February utilizing DOE RL-0030.C Capital Asset Project Management Reserve or the realized risks discussed above. Funds issues remain to be resolved within the project and the overall Project Baseline Summary (PBS).

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

No major issues to report this month.

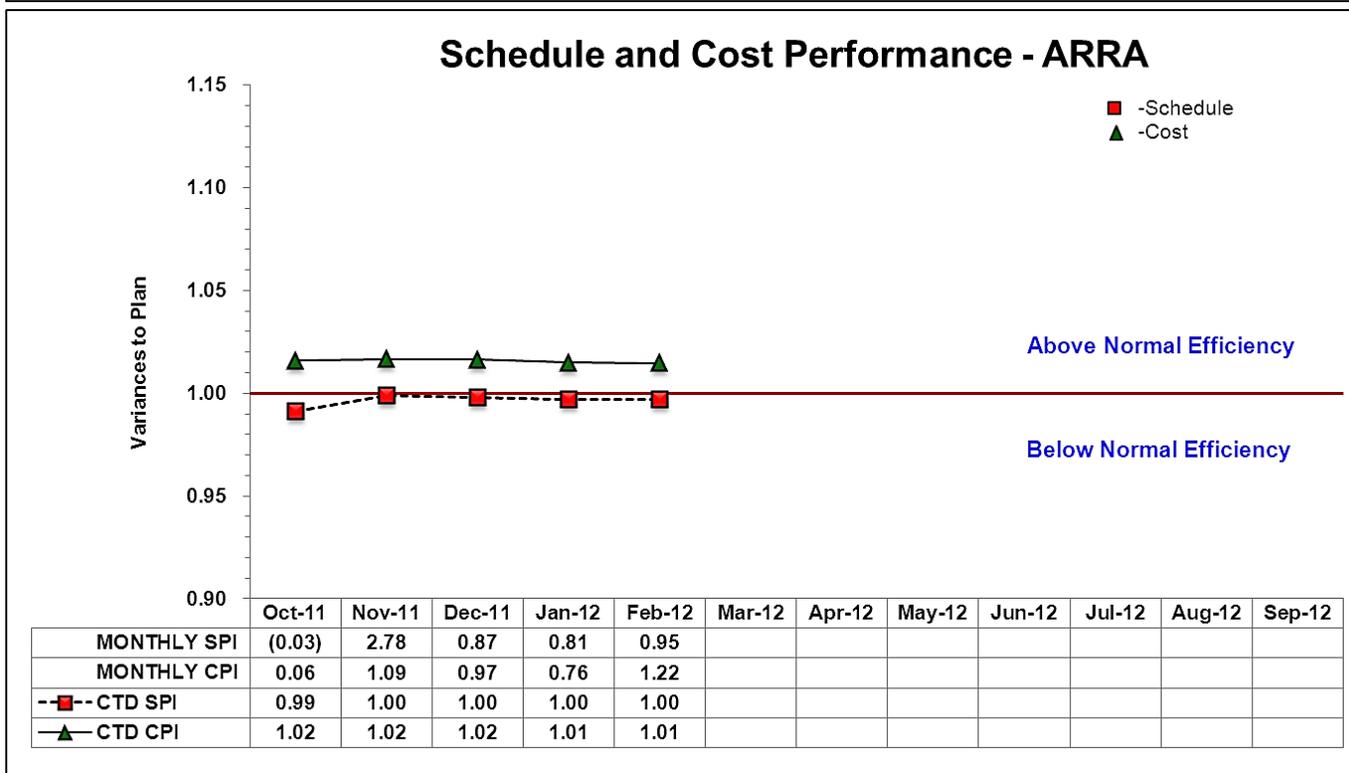
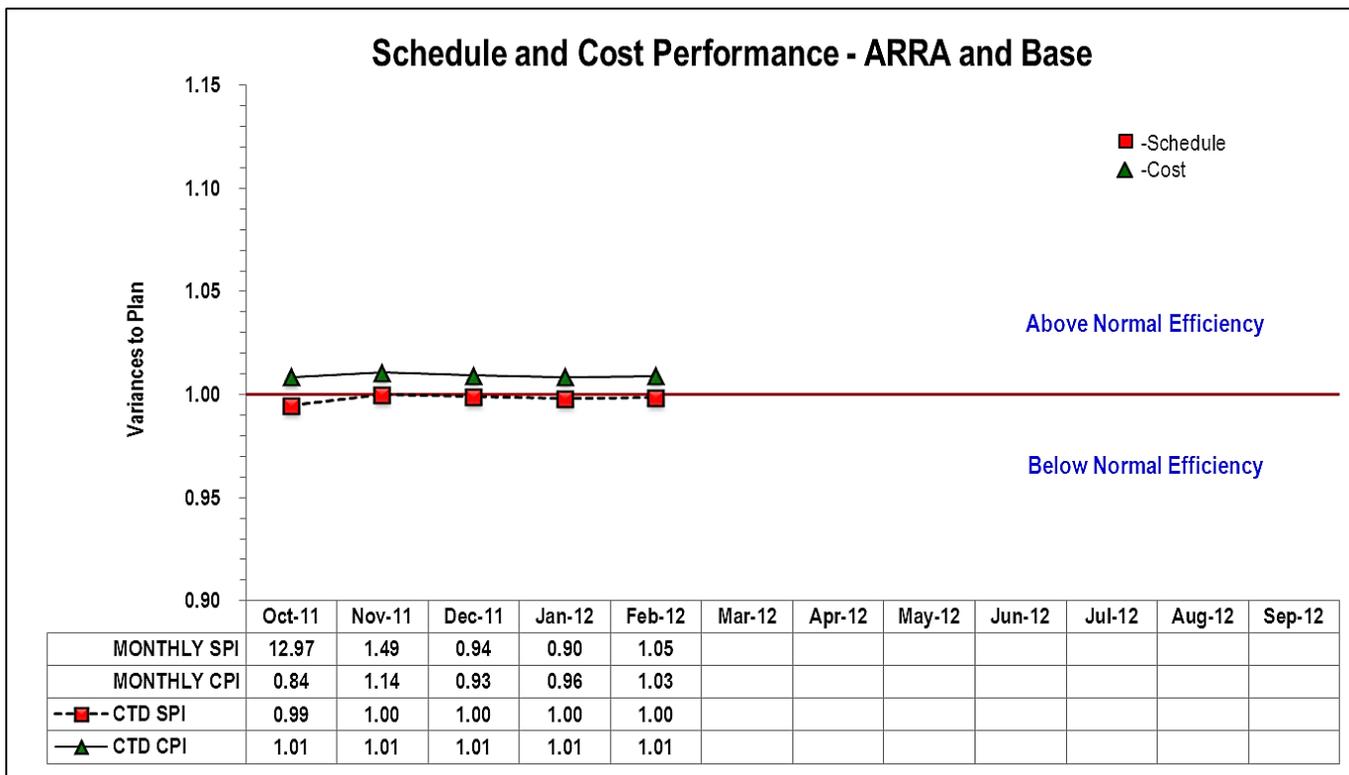
**RL-0041 Nuclear Facility D&D, River Corridor**

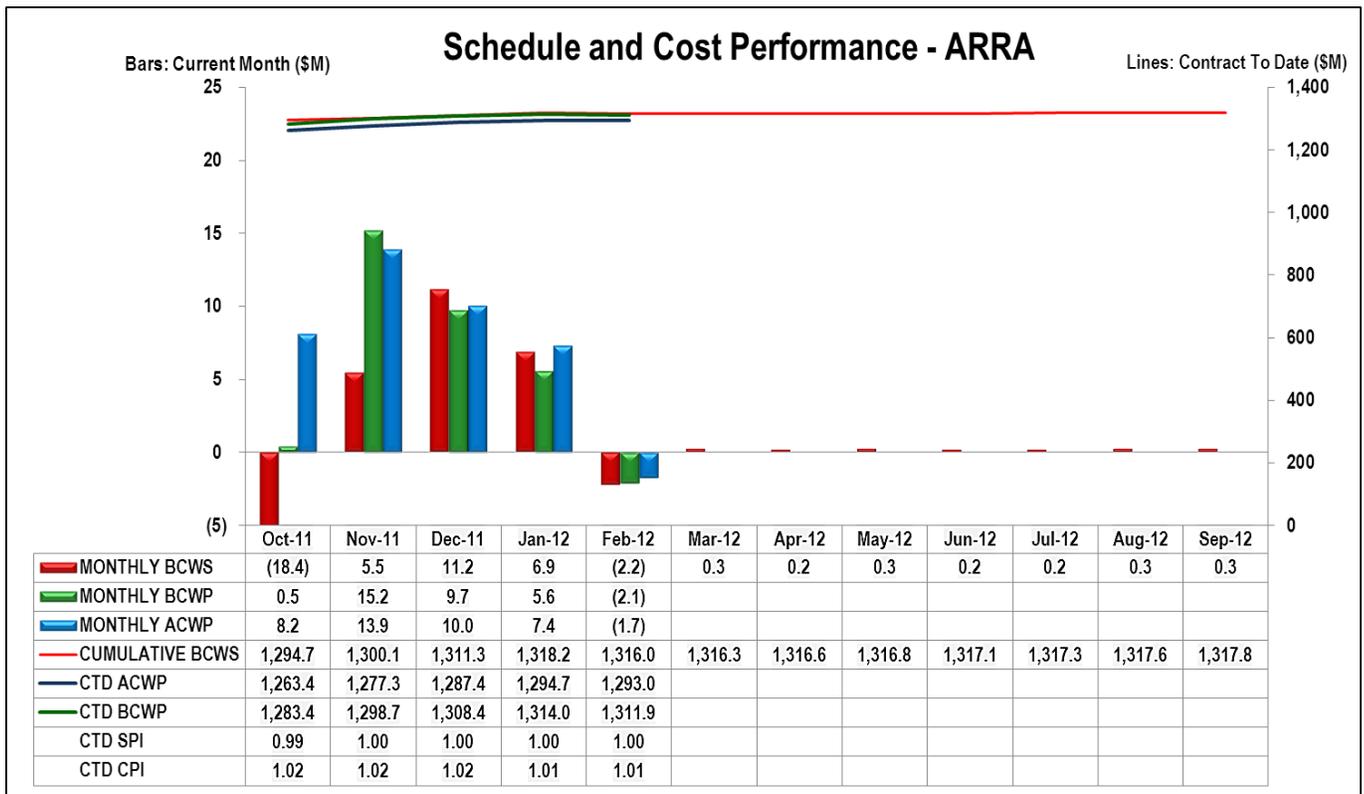
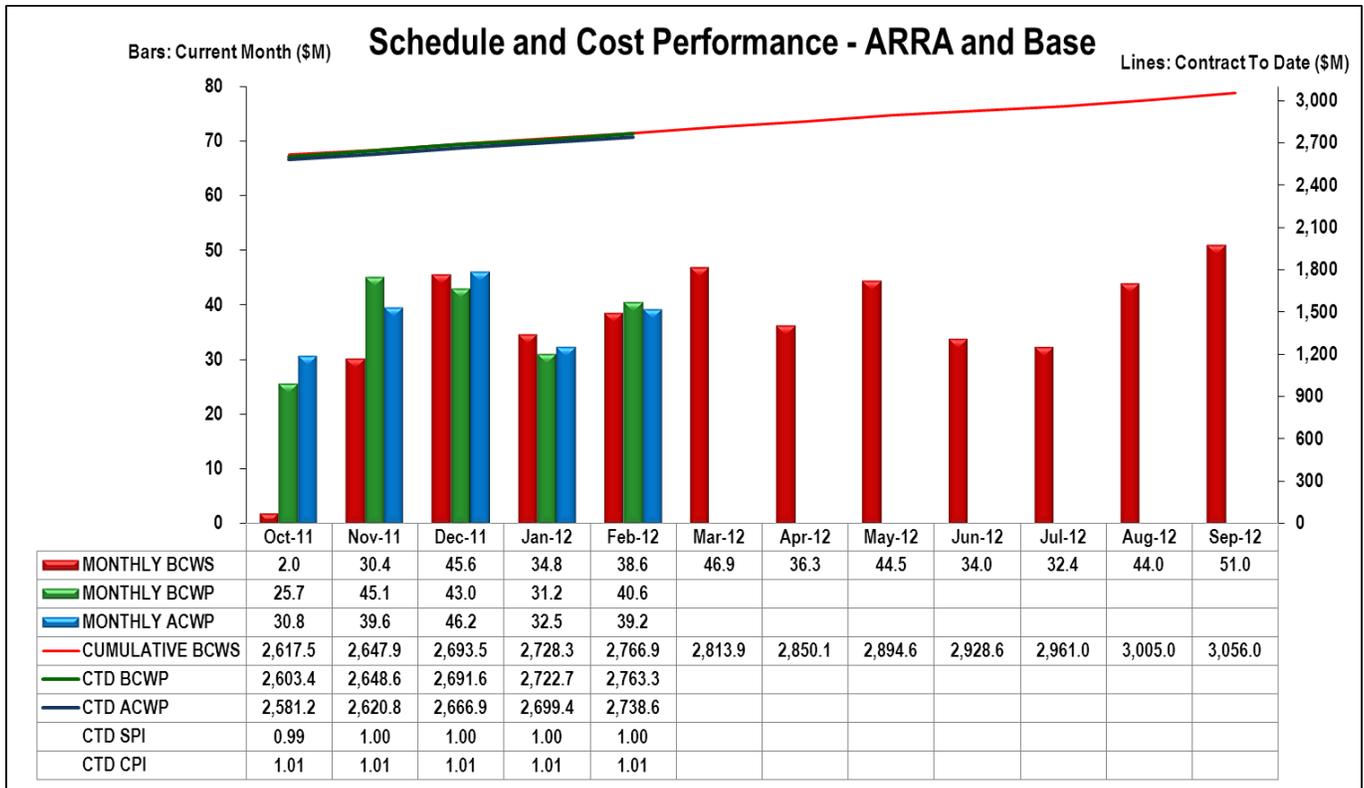
No major issues to report this month.

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

No major issues to report this month.

## EARNED VALUE MANAGEMENT





## Performance Analysis – February

### ARRA Performance by PBS

|   | \$M            |              |              |              |            |              |
|---|----------------|--------------|--------------|--------------|------------|--------------|
|   | Current Period |              |              |              |            |              |
|   | Budgeted Cost  |              | Actual Cost  | Variance     |            |              |
|   | BCWS           | BCWP         | ACWP         | Schedule     | Cost       |              |
| RL-0011 - PFP D&D                           | (2.5)          | (2.1)        | (2.6)        | 0.4          | 0.5        |              |
| RL-0013 - MLLW Treatment                    | 0.0            | 0.0          | (0.0)        | 0.0          | 0.0        |              |
| RL-0013 - TRU Waste                         | 0.0            | 0.0          | (1.2)        | 0.0          | 1.2        |              |
| RL-0013 - TRU Wst Facil Trans MinSafe       | 0.0            | 0.0          | 1.1          | 0.0          | (1.1)      |              |
| 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                 | 0.0            | 0.0          | 0.3          | 0.0          | (0.3)      |              |
| RL-0040 - Outer Zone D&D                    | 0.0            | 0.0          | (0.0)        | 0.0          | 0.0        |              |
| RL-0041 - 100K Area Remediation             | 0.3            | 0.0          | 0.8          | (0.3)        | (0.8)      |              |
| (Numbers are rounded to the nearest \$0.1M) | <b>Total</b>   | <b>(2.2)</b> | <b>(2.1)</b> | <b>(1.7)</b> | <b>0.1</b> | <b>(0.4)</b> |

### ARRA

The Current Month favorable Schedule Variance (+\$0.1M/-5.3%) All projects are within reporting thresholds.

The Current Month unfavorable Cost Variance (-\$0.4M/+17.7%) is within reporting thresholds and reflects:

- The RL-0011 positive variance (+\$0.5M) is primarily due to the single point adjustment resulting from implementation of BCR 011-R11-12-001R0, Realignment of ARRA KPP Work Scope. Scope, budget, performance, and actual costs were transferred from ARRA control accounts to Base-funded control accounts, retroactive to December 27, 2011.
- The RL-0013 positive variance (+\$0.1M) is due to the following subproject performance:
  - RL-0013 MLLW Treatment (+\$0.0M), RL-0013 TRU Waste (+\$1.2M) and TRU Waste Facility Transition to Min Safe (-\$1.1M) variances is within threshold and is the result of a cost transfer from ARRA to Base. Future labor corrections and projected passbacks are likely to offset this reduction in cost.
- The RL-0030 positive variance (+\$0.0M) is within reporting thresholds.
- The RL-0040 negative variance (-\$0.3M) is within reporting thresholds.
- The RL-0041 negative variance (-\$0.8M) reflects the following:
  - 100K Area Project Facilities and Others negative variance (-\$0.8M) 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 and unplanned equipment rentals costs.

## Base Performance by PBS

|   | \$M            |             |             |             |            |            |
|---|----------------|-------------|-------------|-------------|------------|------------|
|   | Current Period |             |             |             |            |            |
|   | Budgeted Cost  |             | Actual Cost | Variance    |            |            |
|   | BCWS           | BCWP        | ACWP        | Schedule    | Cost       |            |
| RL-0011 - Nuclear Materials Stab & Disp PFP | 12.5           | 12.5        | 12.8        | (0.0)       | (0.3)      |            |
| RL-0012 - SNF Stabilization & Disposition   | 6.6            | 6.4         | 6.5         | (0.2)       | (0.1)      |            |
| RL-0013 - Solid Waste Stab & Disposition    | 6.6            | 6.6         | 6.7         | (0.0)       | (0.0)      |            |
| RL-0030 - Soil & Water Rem-Grndwtr/Vadose   | 10.7           | 14.8        | 12.2        | 4.1         | 2.5        |            |
| RL-0040 - Nuc Fac D&D - Remainder           | 0.9            | 0.9         | 1.0         | (0.0)       | (0.2)      |            |
| RL-0041 - Nuc Fac D&D - RC Closure Project  | 3.3            | 1.3         | 1.5         | (2.0)       | (0.2)      |            |
| RL-0042 - Nuc Fac D&D - FFTF Project        | 0.1            | 0.1         | 0.1         | (0.0)       | 0.0        |            |
| (Numbers are rounded to the nearest \$0.1M) | <b>Total</b>   | <b>40.8</b> | <b>42.6</b> | <b>40.9</b> | <b>1.8</b> | <b>1.7</b> |

### Base

The Current Month favorable Schedule Variance (+\$1.8M/+4.5%) reflects:

- The RL-0011 negative variance (-\$0.0M) is within reporting thresholds.
- The RL-0012 negative variance (-\$0.2M) is within reporting thresholds.
- The RL-0013 negative variance (-\$0.0M) is within reporting thresholds.
- The RL-0030 positive variance (+\$4.1M) reflects the following subproject performance:
  - RL-0030.C1 GW Remedy Implementation positive variance (+\$4.0M) is due to four BCRs were implemented into the PMB baseline for realized risks and have resulted in direct cost and schedule impacts. The implementation of the BCRs has resulted in a point adjustment as performance is claimed for work completed.
- The RL-0040 negative variance (-\$0.0M) is within reporting thresholds.
- The RL-0041 negative variance (-\$2.0M) is primarily due the following:
  - Waste Sites (-\$0.9M) The negative schedule variance is due to Area AM not being worked as scheduled due to the Memorandum of Agreement (MOA) not being approved.
  - 100K Area Project (Facilities and Others) negative variance (-\$1.1M) is due to KE Reactor ISS being behind schedule for Asbestos Removal and Design completion and KE Sedimentation Basin and 165KE Structure are behind schedule due to limited resources.
- The RL-0042 negative variance (-\$0.0M) is within reporting thresholds.

The Current Month favorable Cost Variance (+\$1.7M/+4.1%) reflects:

- The RL-0011 negative variance (-\$0.3M) is within reporting thresholds.
- The RL-0012 Combined 100K and STP negative variances (-\$0.1M) are within reporting thresholds.
- The RL-0013 negative variance (-\$0.0M) is within reporting thresholds.

- The RL-0030 positive variance (+\$2.5M) reflects the following subproject performance:
  - RL-0030.C1 GW Remedy Implementation positive variance (+\$2.5M) is due to four BCRs were implemented into the PMB baseline for realized risks and have resulted in direct cost and schedule impacts. The implementation of the BCRs has resulted in a point adjustment as performance is claimed for work completed.
- The RL-0040 negative variance (-\$0.2M) is within reporting thresholds.
- The RL-0041 negative variance (-\$0.2M) is within reporting thresholds.
- The RL-0042 positive variance (+\$0.0M) 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                           | 282.7            | 279.3          | 287.4          | (3.5)          | (8.1)        | 290.9           | 297.2          | (6.3)          |             |
| RL-0013 - MLLW Treatment                    | 47.7             | 47.7           | 42.7           | (0.0)          | 5.0          | 47.7            | 42.7           | 5.0            |             |
| RL-0013 - TRU Waste                         | 255.3            | 255.3          | 253.8          | (0.0)          | 1.5          | 255.3           | 253.3          | 2.0            |             |
| RL-0013 - TRU Wst Facil Trans MinSafe       | 1.5              | 1.5            | 1.1            | 0.0            | 0.4          | 1.5             | 1.4            | 0.1            |             |
| RL-0030 - GW Capital Asset                  | 175.0            | 175.0          | 174.6          | 0.0            | 0.4          | 175.0           | 175.0          | 0.0            |             |
| RL-0030 - GW Operations                     | 92.1             | 92.1           | 89.3           | (0.0)          | 2.8          | 92.1            | 89.5           | 2.6            |             |
| RL-0040 - U Plant/Other D&D                 | 199.4            | 199.3          | 192.7          | (0.1)          | 6.6          | 199.4           | 193.3          | 6.1            |             |
| RL-0040 - Outer Zone D&D                    | 84.3             | 84.3           | 71.7           | 0.0            | 12.6         | 87.3            | 71.7           | 15.6           |             |
| RL-0041 - 100K Area Remediation             | 178.0            | 177.4          | 179.7          | (0.5)          | (2.3)        | 179.7           | 182.5          | (2.8)          |             |
| (Numbers are rounded to the nearest \$0.1M) | <b>Total</b>     | <b>1,316.0</b> | <b>1,311.9</b> | <b>1,293.0</b> | <b>(4.1)</b> | <b>18.9</b>     | <b>1,329.0</b> | <b>1,306.6</b> | <b>22.4</b> |

### ARRA

The CTD unfavorable Schedule Variance (-\$4.1M/-0.3%) All projects are within reporting thresholds.

The CTD favorable Cost Variance (+\$18.9M/+1.4%) is within reporting thresholds and reflects:

- The RL-0011 negative variance (-\$8.1M) is within reporting thresholds.
- The RL-0013 positive variance (+\$6.9M) reflects the following subproject performance:
  - RL-0013 MLLW Treatment (+\$5.0M), TRU Waste (+\$1.5M) and TRU Waste Facility Trans MinSafe (+\$0.4M) 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 (+\$3.2M) reflects the following subproject performance:
  - RL-0030.R1.1 GW Capital Asset (+\$0.4M) positive variance is within reporting thresholds.
  - RL-0030.R1.2 GW Operations (+\$2.8M) The positive variance is due to the following:
    - Drilling (+\$2.5M) 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 (+\$19.2M) reflects the following subproject performance:
  - ARRA RL-0040.R1.1 U Plant/Other D&D (+\$6.6M) 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 (-\$2.3M) 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 (-\$11.3M) – 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 | 182.1            | 181.3          | 183.2          | (0.8)          | (1.9)      | 598.3           | 603.8          | (5.5)          |             |
| RL-0012 - SNF Stabilization & Disposition   | 281.0            | 281.2          | 282.2          | 0.2            | (1.0)      | 625.6           | 627.7          | (2.1)          |             |
| RL-0013 - Solid Waste Stab & Disposition    | 345.2            | 344.2          | 350.6          | (0.9)          | (6.4)      | 1,523.8         | 1,531.5        | (7.7)          |             |
| RL-0030 - Soil & Water Rem-Grndwtr/Vadose   | 468.0            | 471.5          | 480.0          | 3.6            | (8.5)      | 1,244.2         | 1,244.3        | (0.1)          |             |
| RL-0040 - Nuc Fac D&D - Remainder           | 72.8             | 72.9           | 65.3           | 0.1            | 7.6        | 683.5           | 667.4          | 16.1           |             |
| RL-0041 - Nuc Fac D&D - RC Closure Project  | 89.2             | 87.5           | 73.1           | (1.6)          | 14.5       | 313.5           | 299.6          | 14.0           |             |
| RL-0042 - Nuc Fac D&D - FTF Project         | 12.7             | 12.7           | 11.2           | 0.0            | 1.5        | 25.4            | 24.1           | 1.4            |             |
| (Numbers are rounded to the nearest \$0.1M) | <b>Total</b>     | <b>1,450.9</b> | <b>1,451.4</b> | <b>1,445.6</b> | <b>0.5</b> | <b>5.8</b>      | <b>5,014.2</b> | <b>4,998.2</b> | <b>15.9</b> |

### Base

The CTD favorable Schedule Variance (+\$0.5M/+0.0%) is within reporting thresholds and reflects:

- The RL-0011 negative variance (-\$0.8M) is within reporting thresholds.
- The RL-0012 positive variance (+\$0.2M) 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 positive variance (+\$3.6M) 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 positive variance is within reporting threshold and due to:
    - 200 ZP-1 Operable Unit (+\$2.0M) The positive variance is due Four BCRs implemented into the PMB baseline for realized risks and have resulted in direct cost and schedule impacts. The implementation of the BCRs has resulted in a point adjustment as performance is claimed for work completed.
- The RL-0040 positive variance (+\$0.1M) is within reporting thresholds.
- The RL-0041 negative variance (-\$1.6M) is due to the following:
  - Waste Sites (-\$0.6M) The negative variance is due to Area AM not being worked as schedule due to the MOA not being approved
  - 100K Area Project (-\$1.0M) The negative variance is due to being behind on ISS for Asbestos Removal and Design completion and KE Sedimentation is being due to limited resources.

- The RL-0042 positive variance (+\$0.0M) is within reporting thresholds.

The CTD favorable Cost Variance (+\$5.8M/+0.4%) is within reporting thresholds and reflects:

- The RL-0011 negative variance (-\$1.9M) is within reporting thresholds.
- The RL-0012 negative variance (-\$1.0M) The combined 100K and STP variances are within reporting thresholds.
- The RL-0013 negative variance (-\$6.4M) 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 (-\$8.5M) 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 (+\$4.1M) 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 (-\$2.5M) 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 The acceptance test plan (ATP) and the operational test plan (OTP) was more involved than planned with resource requirements exceeding the budget for the scope, additionally the work was performed in freezing weather requiring 24/7 attention to prevent freezing of pipes to continue water flow to and from wells, cost of realigning wells from DR-5 to 100 DX, 100 HX copper material costs increased significantly between estimate and procurement of materials resulting in cost over-runs. Additionally the ATP was more involved than planned with resource requirements exceeding the budget for the scope and additional time and resources being spent on internal CERCLA (RI/FS) document development as a result of extensive RL comments.

- 200-ZP-1 Operable Unit (+\$1.0M) 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 (-\$1.3M) 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.
- Ramp-up and Transition (-\$2.8M) The negative variance was driven by increased Project Services Distribution to RL-0030.
- o RL-0030.C1 GW Remedy Implementation (-\$5.8M) the negative variance can be attributed to:
  - 200-ZP-1 Operable Unit (-\$5.8M) 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. 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 that have resulted in cost overruns. 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 (+\$7.6M) 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 (+\$14.5M) cost variance is within established reporting thresholds. The project is currently experiencing impacts associated with:
  - o Waste Sites (+\$10.2M) 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.

- 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              | 95.5              | 3.9        |
| <b>RL-0012</b>     | Spent Nuclear Fuel Stabilization and Disposition | 87.5              | 85.7              | 1.8        |
| <b>RL-0013</b>     | Waste and Fuels Management Project               | 88.3              | 86.7              | 1.6        |
| <b>RL-0030</b>     | Soil, Groundwater and Vadose Zone Remediation    | 121.1             | 124.5             | (3.4)      |
| <b>RL-0040</b>     | Nuclear Facility D&D, Remainder of Hanford       | 11.3              | 11.6              | (0.3)      |
| <b>RL-0041</b>     | Nuclear Facility D&D, River Corridor             | 36.1              | 34.4              | 1.7        |
| <b>RL-0042</b>     | Fast Flux Test Facility Closure                  | 2.0               | 1.7               | 0.3        |
| <b>Total Base:</b> |  | <b>445.7</b>      | <b>440.2</b>      | <b>5.5</b> |

#### Funds/Variance Analysis:

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. There were no changes to Base funding in February.

## BASELINE CHANGE REQUESTS

In February 2012, CHPRC approved and implemented six (6) baseline change requests (BCRs), of which one (1) was administrative in nature and did not change scope, schedule or budget. The six change requests are identified in the table below:

| Change Request #   | Title   | Summary of Change  |
|--|---|--|
| <b>Implemented into the Earned Value Management System for February 2012</b> |   |  |
| BCR-R11-12-001R0   | <i>Realignment of ARRA KPP-1 Work Scope</i>                             | Transfer scope and cost from ARRA to Base consistent with DOE-RL Contracting officers direction Attachment 1 to: <ol style="list-style-type: none"> <li>maintain compliance with the subject Key Performance Parameter (KPP-1)</li> <li>and maintain the ARRA subproject total project cost within threshold</li> <li>and corrects a \$15.6K error that occurred with the PMB3 submittal (i.e., dates in Cobra did not line up with the dates in P6)</li> </ol>  |
| BCRA-030-12-008R0  | <i>RL-30 February Baseline Administrative Changes</i>                   | <ol style="list-style-type: none"> <li>Established logic ties from supporting tasks to TPA &amp; PBI milestones to better define and track critical paths and total float.</li> <li>TPA Milestone M-015-17A – UP-1 Submit Remedial Investigation/Feasibility Study Reports and Proposed Plan to Ecology for Review, has been moved from 09/30/13 to 09/30/10 to align it to the correct due date.</li> <li>Adds/modifies additional activity coding assignments within P6, some editorial changes and logic ties.</li> </ol> |
| BCR-030-12-009R0   | <i>200W Pump &amp; Treat – Well Capacity &amp; Testing Anomalies</i>    | <ol style="list-style-type: none"> <li>Well Capacity (SGW-017)</li> <li>Fiber Optic Cable (SGW-031A)</li> <li>Programming Support/Integration of Package Software Systems (SGW-121)</li> <li>MBR Recirculation Loop &amp; Chemical Skid Modifications (SGW-131)</li> </ol>   |
| BCR-030-12-011R0   | <i>200W Pump &amp; Treat – Inclement Weather/ Equipment Repair</i>      | <ol style="list-style-type: none"> <li>Tank Repairs (SGW-088 and SGW-098)</li> <li>Impacts Due to Weather (PRC-020 and SGW-098)</li> <li>Touch-up Painting (SGW-031A and SGW-098)</li> <li>Piping Repairs (SGW-131 and SGW-098)</li> </ol>   |
| BCR-030-12-012R0   | <i>200W Pump &amp; Treat – Realization of Sludge Stabilization Risk</i> | <ol style="list-style-type: none"> <li>Sludge Stabilization (Lime) (SGW-119 &amp; 124)</li> </ol>  |
| BCR-030-12-013R0   | <i>200W Pump &amp; Treat – ATP Scope</i>                                | <ol style="list-style-type: none"> <li>Procedure/As-Built Development (SGW-098 &amp; SGW-131)</li> </ol>   |

Overall the contract period performance measurement baseline (PMB) budget is *increased* \$13M in February 2012.

### Management Reserve Activity

| BCR Number                           | Title | Fiscal Year | MR (ARRA) & PBS | MR (Base) & PBS |
|--------------------------------------|-------|-------------|-----------------|-----------------|
| N/A                                  | N/A   | N/A         | N/A             | N/A             |
| <b>No MR Change in February 2012</b> |       |             |                 |                 |

**Use of Management Reserve (MR):** MR was unchanged for February 2012.

There were no Fee adjustments in February 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 February 2012, would be an of *increase* of \$13M and is summarized by fiscal year in the tables below (dollars in thousands, negative number represents reduction):

### February 2012 Summary of Changes

|  | FY2009         | FY2010           | FY2011           | FY2012         | FY2013         | FYs 2009-2013    | FYs 2014-2018    | Contract Period Total | Post Contract Total | Total PMB        |
|--|----------------|------------------|------------------|----------------|----------------|------------------|------------------|-----------------------|---------------------|------------------|
| <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        |
| Mgmt Rsrv (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           | 250,206               | 0                   | 250,206          |
| <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>6,666,996</b>      | <b>64,797</b>       | <b>6,731,793</b> |
| <i>Change by Funding Source in February 2012</i> |                |                  |                  |                |                |                  |                  |                       |                     |                  |
| <b>PMB</b>                                       |                |                  |                  |                |                |                  |                  |                       |                     |                  |
| <b>ARRA</b>                                      |                |                  |                  |                |                |                  |                  |                       |                     |                  |
| All ARRA WBSs                                    | 0              | 0                | 0                | -2,781         | 0              | -2,781           | 0                | -2,781                | 0                   | -2,781           |
| <b>Base</b>                                      |                |                  |                  |                |                |                  |                  |                       |                     |                  |
| All Base WBSs                                    | 0              | 0                | 0                | 15,701         | -246           | 15,455           | 278              | 15,733                | 0                   | 15,733           |
| <b>Change to PMB</b>                             | <b>0</b>       | <b>0</b>         | <b>0</b>         | <b>12,920</b>  | <b>-246</b>    | <b>12,674</b>    | <b>278</b>       | <b>12,952</b>         | <b>0</b>            | <b>12,952</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                | 0              | 0              | 0                | 0                | 0                     | 0                   | 0                |
| <b>Change to MR</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>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>0</b>       | <b>0</b>         | <b>0</b>         | <b>12,920</b>  | <b>-246</b>    | <b>12,674</b>    | <b>278</b>       | <b>12,952</b>         | <b>0</b>            | <b>12,952</b>    |
| <i>February 2012 Estimate</i>                    |                |                  |                  |                |                |                  |                  |                       |                     |                  |
| PMB  | 653,426        | 960,017          | 1,002,105        | 440,490        | 474,199        | 3,530,237        | 2,812,947        | 6,343,185             | 64,797              | 6,407,982        |
| 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           | 250,206               | 0                   | 250,206          |
| <b>Total</b>                                     | <b>693,138</b> | <b>1,008,789</b> | <b>1,034,427</b> | <b>468,641</b> | <b>502,686</b> | <b>3,707,681</b> | <b>2,972,266</b> | <b>6,679,948</b>      | <b>64,797</b>       | <b>6,744,745</b> |

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

|  |              | FY2009   | FY2010   | FY2011        | FY2012        | FY2013        | FY2009-2013   | FY2014-2018   | Total    |
|--|--------------|----------|----------|---------------|---------------|---------------|---------------|---------------|----------|
| <b>Management Reserve (MR) - 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>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> |          |
| <b>Changes to/Utilization of Management Reserve in February 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             | 0             | 0             | 0             | 0             | 0        |
|  | RL-0042      | 0        | 0        | 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>0</b>      | <b>0</b>      |          |
| <b>MR 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>Management Reserve - End of February 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 -3/1/2012 |                      |        |                        |        |                        |         | Planned Subcontracting*  | \$2,524,483,195                                  |                 |
|   |                      |        |                        |        |                        |         | Contract-to-date awards  | \$1,900,299,306                                  |                 |
|   |                      |        |                        |        |                        |         | Bal remaining to award = | \$624,183,889                                    |                 |
|   | ARRA                 |        | BASE                   |        | Total \$               | Total % | Goal                     | Goal award \$                                    | Bal to goal \$  |
|   | \$                   | %      | \$                     | %      |                        |         |                          |  |                 |
| SB  | \$376,617,358        | 53.54% | \$573,972,225          | 47.96% | \$950,589,583          | 50.02%  | 49.30%                   | \$1,244,570,215                                  | \$293,980,632   |
| SDB   | \$77,864,572         | 11.07% | \$93,733,194           | 7.83%  | \$171,597,767          | 9.03%   | 8.20%                    | \$207,007,622                                    | \$35,409,855    |
| SWOB  | \$87,016,061         | 12.37% | \$101,096,079          | 8.45%  | \$188,112,140          | 9.90%   | 7.50%                    | \$189,336,240                                    | \$1,224,100     |
| HUB   | \$22,351,697         | 3.18%  | \$22,226,606           | 1.86%  | \$44,578,302           | 2.35%   | 2.20%                    | \$55,538,630                                     | \$10,960,328    |
| VOSB  | \$53,488,231         | 7.60%  | \$57,775,552           | 4.83%  | \$111,263,782          | 5.86%   | 3.50%                    | \$88,356,912                                     | (\$22,906,870)  |
| SDVO  | \$13,893,251         | 1.97%  | \$37,796,845           | 3.16%  | \$51,690,095           | 2.72%   | 1.30%                    | \$32,818,282                                     | (\$18,871,814)  |
| NAB   | \$16,918,255         | 2.40%  | \$10,287,138           | 0.86%  | \$27,205,393           | 1.43%   | 0.00%                    | * 10-year subcontracting projection              |                 |
| Large   | \$240,753,541        | 34.22% | \$297,997,176          | 24.90% | \$538,750,717          | 28.35%  | 0.00%                    | PRC clause H.20 small business (SB) requirement: |                 |
| GOVT  | \$115,829            | 0.02%  | \$1,539,705            | 0.13%  | \$1,655,533            | 0.09%   | 0.00%                    | ≥17% of Total Contract Price performed by SB     |                 |
| GOVT CONT   | \$85,911,232         | 12.21% | \$320,189,919          | 26.75% | \$406,101,151          | 21.37%  | 0.00%                    | Total Contract Price:                            | \$5,525,855,581 |
| EDUC  | \$9,526              | 0.00%  | \$111,975              | 0.01%  | \$121,501              | 0.01%   | 0.00%                    | 17% requirement:                                 | \$939,395,449   |
| NONPROFIT   | \$37,188             | 0.01%  | \$2,846,026            | 0.24%  | \$2,883,214            | 0.15%   | 0.00%                    | SB Awarded:                                      | \$950,589,583   |
| FOREIGN   | \$28,773             | 0.00%  | \$165,458              | 0.01%  | \$194,231              | 0.01%   | 0.00%                    | Balance to Requirement:                          | (\$11,194,134)  |
| <b>Total</b>  | <b>\$703,473,446</b> |        | <b>\$1,196,825,859</b> |        | <b>\$1,900,299,306</b> |         |                          |  |                 |

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 2011. 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 |