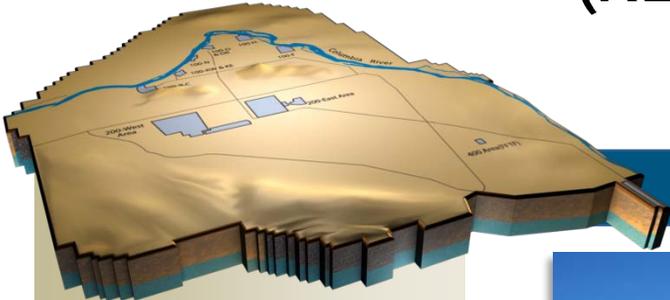


# Section C

## Solid Waste Stabilization and Disposition (RL-0013)



### Monthly Performance Report

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November 2010  
DOE/RL-2010-126-11, Rev. 0  
Contract DE-AC06-08RL14788  
Deliverable C.3.1.3.1 - 1



Shipment SC019 being readied for off-site shipment



Culvert Retrieval



CWC receiving and unloading waste  
box from TRU Retrieval in the  
Expansion Area

## PROJECT SUMMARY

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

### **American Recovery and Reinvestment Act (ARRA)**

Weekly and monthly Recovery Act Reporting continued. Work continued on a “middle-ware” utility to provide an accessible, user friendly and comprehensive interface for waste inventory, forecast, and reporting data. Mixed/Low Level Waste: M-91-42 – shipped 6 m<sup>3</sup> and completed 14 m<sup>3</sup> during the month; M-91-43 – shipped 25 m<sup>3</sup> and completed 16 m<sup>3</sup>; and M-91-44 – shipped 124 m<sup>3</sup> and completed 43 m<sup>3</sup> during the month. Transuranic (TRU) Retrieval removed, constructed shoring box, and shipped 3A Trench 17 Box 12 (59.5 m<sup>3</sup>); removed last remote-handled (RH) culvert (6.17 m<sup>3</sup>) from 3A Trench 8; and removed and overpacked five contact-handled (CH) boxes (24.17 m<sup>3</sup> total) from 3A Trench 8. Next Generation Retrieval (NGR) completed the punch list items for the 12B Construction (e.g., fixing the leaking roof on the Drum Warming Unit, patching the asphalt, and installing shielding walls around the Gamma Assay System. TRU Repackaging repacked 87 m<sup>3</sup> of TRU waste into CCP-certifiable containers and vented 40 drums. TRU Disposition continued TRU Waste Shipments to the Waste Isolation Pilot Plant (WIPP) –zero shipments due to WIPP priorities; completed electrical tie in and vault walls for the High Energy Real-Time Radiography (HERTR).

### **Base**

The W&FMP continued maintaining facilities in a safe and compliant condition. Continued roof upgrades for the Waste Encapsulation and Storage Facility (WESF). Canister Storage Building (CSB)/Interim Storage Area (ISA) completed annual sampling of Multi-Canister Overpack (MCO) H-010. T-Plant shipped 163 containers from T Plant and received 29 containers to T-Plant. Central Waste Complex (CWC) shipped nine on-site transfers (499 containers); received 14 on-site transfers (384 containers); shipped ten off-site shipments (84 containers); and received six offsite shipments, 11 containers. Low-level burial grounds (LLBG) Mixed Waste Trench (MWT) – Shipped one leachate tanker to Effluent Treatment Facility (ETF). Liquid Effluent Facilities (LEF) received 27 tankers (25K gallons). Slightly Irradiated Fuel (SIF) completed pours for all remaining concrete column encasements, and placement and welding of all remaining components (grating, closure beams, and spikes) for the Container Restraint System.

## EMS Objectives and Target Status

Objective #	Objective	Target	Due Date	Status
09-EMS-WFM-OB1-T1	Reduce the potential for releases from TRU Retrieval Waste repackaging activities in the LLBG.	Implement a point-of-generation approach to waste management that minimized the transport and handling of wastes.	10/1/2011	On schedule
		No exceedances of permit conditions. Participate in readiness assessment and establish process to confirm permit levels have been met.	9/30/2010	Complete
10-EMS-WFM-OB2-T1	Reduce the levels of air pollution and increase the energy efficiency of WESF Plant heating and cooling operations.	Eliminate the use of the refrigerant R22.	2/26/2010	Complete
		Inactivate the fuel oil fired steam plant and replace with heat recovery chiller and electrical resistance heaters.	2/26/2010	Complete
10-EMS-WFM-OB3-T1	Reduce the generation of waste through implementation of pollution prevention practices.	Conduct a pollution prevention assessment of waste packaging and other operations at T-Plant to identify waste minimization opportunities.	9/30/2010	Complete

## TARGET ZERO PERFORMANCE

	Current Month	Rolling 12 Month	Comment
Days Away, Restricted or Transferred	1	6	(11/29/2010) backing off truck and slipped landing on a t-post (21543)
Total Recordable Injuries	1	10	Same as above
First Aid Cases	14	107	(11/2/2010) carrying cases, felt pain-potential close call (21434) (11/3/2010) jammed hand reaching for handrail (21452) (11/7/2010) lifting panels (21477) (11/8/2010) pain in elbow when lifting, pain in neck at workstation (21495) (11/15/2010) wrist tendons not working right (21496) (11/16/2010) walking, lost balance, strain to right knee (21501) (11/16/2010) felt object in eyes (21507) (11/17/2010) car door hit knee (21509) (11/17/2010) stepped off bottom step, roll ankle (21510) (11/21/2010) hydraulic jack squirted fluid into face (21526) (11/21/2010) hydraulic jack squirted fluid into face (21527)

	Current Month	Rolling 12 Month	Comment
			(11/29/2010) tripped and fell backwards while backing up (21540) (11/29/2010) tripped over spacer in warehouse doing routines (21538) (11/30/2010) fell on snow at work (21552)
Near-Misses	0	0	N/A

## KEY ACCOMPLISHMENTS

### ARRA

#### 13.01 Project Management

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

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

- Awarded a contract for disposition of 40 legacy waste packages containing sodium metal contaminated debris
- Shipped the MLLW that originated from “Box 82” retrieval (2 boxes and 1 drum) to Perma-Fix Northwest (PFNW)
- Completed disposition of the first of three high tritium M/LLW drums. The second drum was shipped, but treatment not yet completed
- Shipped SC019
  - A large legacy MLLW package draped in lead shielding blankets was shipped to PFWN using the Super-7A Overpack
- Completed void fill of 52 High Temperature Gas Reactor (HTGR) drums at the Central Waste Complex (CWC)
  - HTGR drums will be disposed utilizing in-trench treatment at the Mixed Waste Disposal Unit

#### 13.05 TRU Retrieval

- Reinforced, removed, constructed shoring box, and shipped 3A Trench 17 Box 12 (59.5 m<sup>3</sup>)
- Excavated 3A Trench 17 Box 16 and the north side of several remaining boxes, and constructed forklift access ramp to west end of trench
- Excavated and removed last remote-handled (RH) culvert (6.17 m<sup>3</sup>) from 3A Trench 8
- Excavated, removed, and overpacked five contact-handled (CH) boxes (24.17 m<sup>3</sup> total) from 3A Trench 8
- Continued excavation of three remaining boxes in 3A Trench 8
- Assayed two containers removed from 3A Trench 8
- Next Generation Retrieval (NGR)
  - Completed the Operability Tests for the Drum Venting System 3 (RapidPort), the Real-Time Radiography (RTR) System, and the Drum Warming Unit
  - Completed the punch list items for the 12B Construction (e.g., fixing the leaking roof on the Drum Warming Unit, patching the asphalt, and installing shielding walls around the Gamma Assay System)
  - The Waste and Fuels Management Program (W&FMP) Readiness Review Board held their first meeting to review the Trench Face Retrieval and Characterization System (TFRCS)

- readiness self assessment (RSA) document packages
- Deferred completion of the Trench Face Processing System; deferral considered financial issues, project risk, and delivery dates

### 13.06 Transuranic (TRU) Repackaging

- Repackaged 44 m<sup>3</sup> of TRU waste into CCP certifiable containers
- Repackaged 43 m<sup>3</sup> of large container transuranic (TRU) at PFNW
- Repack operations temporarily suspended to address Be and drum venting
- 216-Z-9 Soils Repack Campaign
  - These Z-9 containers fall into the configuration of an unvented 90 mil liner, and therefore must be vented as part of the Justification for Continued Operation (JCO)
- RH/Large Package Repackaging
  - Completed size-reduction and repackaging of 152 m<sup>3</sup> to date
  - Initiated nondestructive assay (NDA) of the repacked drums and boxes at PFNW
    - 11.9 m<sup>3</sup> confirmed TRU/M to date
    - 53.6 m<sup>3</sup> confirmed M/LLW to date
- All demonstration project volumes have been shipped

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

- NDE: 533 drums (410 for CCP)
- NDA: 844 drums (400 for CCP)
- Received 61 TRU drums and seven Standard Waste Boxes (SWB) from Plutonium Finishing Plant (PFP)
- Staffed swing shift in preparation for TRUPACT II resumption
- Completed all WRAP high-efficiency particulate air (HEPA) filter change-outs with Beryllium (Be) controls and no safety issues
- Increased NDE-B drum vault speed per CCP request
- Completed Electrical upgrade to MO-444 (2<sup>nd</sup> Flammable Gas Analysis Unit)
- Completed electrical tie in, vault cement walls and sand fill shielding for High Energy Real-Time Radiography (HERTR)
- Repack
  - Completed and approved Process Area Beryllium Hazards Assessment Plan (HAP) and Beryllium Work Permit (BWP)
  - Completed Process Area Prevent Maintenance (PMs) for the 202B, 203B and 203B Lift Tables on the TRU Glove Box

### 13.15 TRU Disposition

- TRU Waste Shipment to Idaho: Current Month total – zero, total to date – 38
- Shipments to WIPP: Current Month total – seven, total to date – 60
- Executing Real Time Radiography (RTR) CCP Characterization Recovery Plan
- Submitted Change order request to RL for Remote Handled (RH) Program
  - Developing Project Team
  - Developing Project Management Plan

## Base

### 13.02 Capsule Storage & Disposition

- Waste Encapsulation and Storage Facility (WESF)
  - Completed inner capsule movement inspections
  - Continued installing fall protection anchors/wall support brackets on the upper roof
  - Completed temporary emergency repairs to the main raw fire-water line
- WESF K1 & K3 Heating, Ventilation, and Air Conditioning Upgrades

- Issued Functional Design Criteria for review
- Received RL concurrence on Major Modification Determination approach (this will not be a Major Modification)
- Completed Alternative Analysis Report
- Revised Safety Design Strategy and issued for internal review
- Initiated Conceptual Design Report
- Performed internal reviews on Notice of Construction (NOC) Application

### **13.03 Canister Storage Building**

- Completed multi-canister overpack (MCO) Material Handling Machine (MHM) camera realignment
- Completed 5-year exhaust system leak tests for systems 6 and 7

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

- Maintained the facility in a safe and compliant condition

### **13.08 T Plant**

- Shipped 163 containers from T Plant
- Received 29 containers to T Plant
- Z-9 Repack Campaign
- Annual Waste Container Inventory
  - The Annual DE-Ci Waste Container re-baseline inventory was completed with identified minor discrepancies corrected
- Record Inventory and Disposition Schedule (RIDS) Review
  - A facility RIDS review was performed. Identified issues have been assigned to responsible personnel for disposition. Efforts to complete are ongoing.
- Beryllium Program
  - Completed 95% of the Be Worker Training and Be Medical Monitoring Program entrance physicals for NCOs, RCTs, and Maintenance personnel. Awaiting blood test results for approximately 40% of the personnel.

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

- Shipped ten offsite shipments, 84 containers
- Shipped nine on-site transfers, 499 containers
- Received 14 on-site transfers, 384 containers
- Received six offsite shipments, 11 containers
- Support for TRU Repackage: Completed loading and shipment of one Super 7A Box to PFNW. This completes the current shipping campaign for the Super 7A box
- Top Hat Box: Provided comments to Transportation Safety for revision of CE-SPA for shipment of three identified boxes to PFNW. Revision to CE-SPA was required due to initial CE-SPA specifying a trailer that is a Radiological Controlled Vehicle (RCV), which is restricted from off-site shipments.
- Box Assay: Initiated assay campaign of nine boxes. Four boxes have been completed.
- Fire Systems: Supported Fire Systems preventive maintenance packages. 2403WD system activated and attributed to a faulty compressor. System has been restored and is operating on a temporary compressor.
- LLBG
  - Mixed Waste Trench (MWT) – Received twelve offsite shipments, 34 containers
  - MWT – Shipped one leachate tanker to Effluent Treatment Facility (ETF)
  - Completed back filling of Trench 33 in 218-W5

### **13.11 Liquid Effluent Facilities (LEF)**

- Received 27 tankers (25K gallons)

- Treated effluent to State-Approved Land Disposal Site: 2M gallons; (CY 17M gallons)
- 200A Treated Effluent Disposal Facility (TEDF) discharged 2M gallons; (CY 309M gallons)
- Received Environmental Restoration Disposal Facility (ERDF) leachate (90K gallons) at Liquid Effluent Retention Facility (LERF) Basin 44
- Continued operating the 300 Area Retention Transfer System (25 batches/841 gallons)
- Shipped twenty drums and ten mavericks (soft-sided waste containers) of waste to the ERDF
- Received nine drums of Waste Sampling and Characterization Facility wastewater
- Continued with Basin 43 Processing Campaign (processed 2.5M gallons)

### 13.12 Integrated Disposal Facility

- Completed all required inspections at the Integrated Disposal Facility

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

- Slightly Irradiated Fuel (SIF) Container Restraint System
  - Completed pours for all remaining concrete column encasements
  - Completed placement and welding of all remaining components (grating, closure beams, and spikes)

### 13.21 Mixed Waste Disposal Trenches

- Maintained the trenches in a safe and compliant condition

## MAJOR ISSUES

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

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

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

**Issue** – Approval of CCP Certification Program by Carlsbad Field Office (CBFO).

**Corrective Action** – CCP is evaluating additional certification staff to mitigate delay.

**Status** – U.S. Environmental Protection Agency (EPA) approval letter at EPA Director's level, awaiting signature.

**Issue** – Implementing Beryllium Program at T-Plant and WRAP impacting repack operation.

**Corrective Action** – Beryllium Hazard Assessment Plans (HAP) developed and implemented. All required personnel trained.

**Status** – T-Plant – 95% of required personnel trained.

- HAP being finalized

WRAP – All required personnel trained.

- HAP approved

## RISK MANAGEMENT STATUS

Unassigned Risk

Risk Passed

New Risk

 Working - No Concerns

 Working - Concern

 Working - Critical


Increased Confidence

No Change

Decreased Confidence

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
WSD-007: TRU Retrieval Complexities	Accelerate "next generation" retrieval			Significant container degradation encountered; Draw down of MR pending
WSD-008: Classified Waste Storage Limitations	Implement mobile shredding; evaluate establishing secure storage at CWC or other location			Questionable mobile shredding feasibility, working with NNSA to define path forward
WSD-013A: TRU Waste Volumes or Characteristics - Retrieval	Implement in-trench assaying as part of Next Generation retrieval and explore stabilization techniques			Encountering issues regarding unexpected waste characteristics
WSD-013B: TRU Waste Volumes or Characteristics - Processing	Use ARRA funds to add additional process lines			No issues regarding unexpected waste volumes or characteristics experienced to date
<b>WSD-018: CSB Major Equipment Failure</b>	<b>Risk accepted without mitigation</b>			<b>Risk is very unlikely.</b>
WSD-025: Unexpected Waste Volumes/Characteristics	Work with generators to update forecasting data monthly/quarterly/semi-annually			Waste volumes to ERDF significantly greater than projected due to ARRA work acceleration
WSD-043: Orphan Wastes	Obtain regulatory relief for "no path forward" wastes			Working to identify treatment options for all waste currently in storage

## PROJECT BASELINE PERFORMANCE

### Current Month

(\$M)

WBS 013/RL-0013 Waste and Fuels Management Project	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)
<b>MLLW Treatment</b>	1.2	0.9	0.8	(0.4)	-29.2	0.04	4.5
<b>TRU Waste</b>	8.1	9.5	11.7	1.4	17.3	(2.2)	-23.2
<b>ARRA Total</b>	<b>9.3</b>	<b>10.4</b>	<b>12.5</b>	<b>1.0</b>	<b>11.1</b>	<b>(2.2)</b>	<b>-20.9</b>
<b>Base</b>	<u>6.9</u>	<u>6.8</u>	<u>8.0</u>	<u>(0.2)</u>	-2.5	<u>(1.3)</u>	-18.6
<b>Total</b>	<b>16.3</b>	<b>17.1</b>	<b>20.6</b>	<b>0.9</b>	<b>5.3</b>	<b>(3.4)</b>	<b>-20.0</b>

Numbers are rounded to the nearest \$0.1M.

### ARRA

#### CM Schedule Performance (+\$1.0M/+11.1%)

RL-13 MLLW Treatment – Mixed Low Level Waste (MLLW) shipments delayed due to internal/external review for approval of tie-down analysis (approved -shipments to resume next month), coupled with receiving facility's inability to accept extra-large sized waste shipments until building modifications completed, partially offset by shipments of Large Type A waste planned in prior period.

RL-13 TRU Waste – Accelerated RH/Large Package Commercial Repack TRUM shipments and returns.

#### CM Cost Performance (-\$2.2M/-20.9%)

RL-13 MLLW Treatment – Within threshold.

RL-13 TRU Waste – Primarily due to increased labor for training and Site Prep for the Trench Face Retrieval and Characterization System (TFRCS), coupled with increased management costs in support of TRU Retrieval deteriorated waste containers.

### Base

**CM Schedule Performance (-\$0.2M/-2.5%)** – Within threshold – Waste Encapsulation and Storage Facility (WESF) upgrades conceptual design report (CDR) delayed by alternative analysis review (currently approved).

(-\$0.2M)

**CM Cost Performance (-\$1.3M/-18.6%)** – Assessments continue above plan, project management had labor and subcontractors charge to Base account instead of ARRA (correction next month), coupled with higher material costs to support transportation and packaging, initiated extended subcontractor work schedule for WESF roof upgrades, and spent nuclear fuel (SNF) incurred subcontractor costs without commensurate performance, partially offset by Solid Waste Base Ops Subcontractor cost transfer to TRU Retrieval ARRA account for Solid Waste Information and Tracking System (SWITS).

## Contract-to-Date (CTD) (\$M)

WBS 013/ RL-0013 Waste and Fuels Management Project	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)	Budget at Completion (BAC)	Estimate at Completion (EAC)	Variance at Completion (VAC)
<b>MLLW Treatment</b>	34.3	33.1	31.1	(1.3)	-3.7	1.9	5.8	47.8	46.0	1.8
<b>TRU Waste</b>	132.2	131.1	132.8	(1.0)	-0.8	(1.7)	-1.3	249.2	238.3	10.9
<b>ARRA Total</b>	166.5	164.2	164.0	(2.3)	-1.4	0.2	0.1	297.0	284.3	12.7
<b>Base</b>	<u>250.0</u>	<u>248.3</u>	<u>253.7</u>	<u>(1.6)</u>	<u>-0.7</u>	<u>(5.5)</u>	<u>-2.2</u>	<u>1,594.2</u>	<u>1,586.7</u>	<u>7.5</u>
<b>Total</b>	<b>416.4</b>	<b>412.4</b>	<b>417.7</b>	<b>(4.0)</b>	<b>-0.9</b>	<b>(5.3)</b>	<b>-1.3</b>	<b>1,891.2</b>	<b>1,871.0</b>	<b>20.2</b>

Numbers are rounded to the nearest \$0.1M.

### ARRA

#### CTD Schedule Performance (-\$2.3M/-1.4%)

RL-13 MLLW Treatment – Fewer Mixed Low Waste Shipments than planned to date due to weather conditions (high winds), brief suspension of heavy equipment moves as a result of management concern, slow startup of Nondestructive Assay (NDA) vendor at Perma-Fix Northwest (PFNW), coupled with internal/external review for approval of tie-down analysis, receiving facility's current inability to accept extra-large sized waste, and delay in shipments to offsite treatment facility utilizing Large Type A Container, partially offset by 435.1 Compliance Waste processing being achieved ahead of schedule.

RL-13 TRU Waste – Delay in T-Plant Repack operations due to drum lid issue recovery actions, delay in full Central Characterization Program (CCP) implementation (Recovery Plan in progress), coupled with temporary suspension of TRUPACT-II shipments due to receiving facility's outage, delay in Next Generation Retrieval (NGR) staff training and assembly operations for Trench Face Process System (TFPS), partially offset by accelerated RH/Large Package Commercial Repack TRUM returns.

#### CTD Cost Performance (+\$0.2M/+0.1%)

RL-13 MLLW Treatment – Mixed Low Level Waste costs below plan due to efficiencies created by treating waste at energy Solution (ES)-Clive rather than planned treatment at Perma-Fix Northwest (PFNW) due to a waiver received from the Department of Energy (DOE), decreased operational costs at CWC, and efficiencies in Solid Waste Base Operations and Mixed Waste Disposal Trench Upgrades.

RL-0013 – TRU Waste – Increased labor and materials costs in support of the Trench Face Retrieval and Characterization System (TFRCS), coupled with increased support and management costs in support of TRU Retrieval deteriorated waste containers, increased allocations for additional office space and other assessments as a result of increased Recovery Act Expenditures, partially offset by lower ramp up and training costs for TRU Characterization and Shipping, lower G&A allocations, and efficiencies in T-Plant, Project Management, and Waste Receiving and Processing (WRAP).

### Base

#### CTD Schedule Performance (-\$1.6M/-0.7%)

Slow startup of Canister Storage Building (CSB) engineering activities that were previously delayed due to resource availability (previously assigned to higher priority activities), WESF upgrades CDR delayed by alternative analysis review (currently approved), coupled with previously delayed WESF roof upgrades due to enhanced Plateau Remediation Contract (PRC) safety practices and work management requirements, ETF procurements delayed by vendor negotiations, delayed Next Generation TRU Retrieval power procurement due to delayed site prep, partially offset by performance taken on WRAP upgrades scheduled for FY13.

**CTD Cost Performance (-\$5.5M/-2.2%)**

Increased assessments above plan, TRU Retrieval additional resources to deal with the deteriorated containers, WRAP Facility incurring increased levels of corrective and preventive maintenance activities as a result of repack operations, partially offset by efficiencies in liquid effluent facilities (LEF), MLLW (due to treating waste at ES-Clive rather than planned treatment at PFNW), SNF disposition, TRU disposition, TRU repackaging, CWC, capsule storage and disposition, and canister storage and disposition, with lower G&A allocations.

**Contract Performance Report Formats are provided in Appendix A and Appendix A-1.**

## FUNDS vs. SPEND FORECAST (\$M)

WBS 013/RL-0013 Waste and Fuels Management Project	FY2011		Variance
	Projected Funding	Spending Forecast	
<b>ARRA</b>	162.5	148.8	13.8
<b>Base</b>	<u>97.7</u>	<u>100.1</u>	<u>-2.4</u>
<b>Total</b>	<b>260.2</b>	<b>248.8</b>	<b>11.4</b>

Numbers are rounded to the nearest \$0.1M.

**Funds/Variance Analysis**

Funding includes FY2010 carryover and FY2011 new budget authority.

**Critical Path Schedule**

Critical path analysis can be provided upon request.

**Estimate at Completion (EAC)**

The BAC and EAC now include FY2009 through FY2018.

**Baseline Change Requests**

BCR-PRC-11-005R0, RL-13 Capital Equipment Adjustments

BCRA-PRC-11-007R0, Tri-Party Agreement M-91 Milestone Changes, RL-13

BCRA-PRC-11-008R0, General Administrative Changes for November 2010

## MILESTONE STATUS

Tri-Party Agreement (TPA) milestones represent significant events in project execution. DOE Enforceable Agreement milestones were established to provide high-level visibility to critical deliverables and specific status on the accomplishment of these key events. The PRC Baseline Revision 2 Update, implemented in September 2010, defines CHPRC planning with respect to TPA milestones. The following table is a one year look ahead of key milestones.

Number	Title	Type	Due Date	Actual Date	Forecast Date	Status/Comment
P-091-44Z-001	Minimum Annual Project Manager Meeting Notification of Certification of CH/RH TRUM	TPA	12/31/10			On Schedule
C-026-07F	Tritium Treatment Technology Developments to Ecology and EPA	TPA (commitment)	3/31/11			On Schedule
M-091-03E	Submit Annual Revision of TRUM and MLLW PMP to Ecology	TPA	6/30/11			On Schedule
M-091-03D-02	Submit Revision of PMP for Disposition of No-Path-Forward Waste	TPA	6/30/11			On Schedule
M-091-40T	Retrieve 2,000 Cubic Meters of CH RSW	TPA	9/30/11			On Schedule
M-091-46A	Certify 850 Cubic Meters of Small Container CH TRUM Waste	TPA	9/30/11			On Schedule
M-091-46G	Complete Offsite Shipment of 1,000 Cubic Meters of Small container CH TRUM	TPA	9/30/11			On Schedule

## SELF-PERFORMED WORK

The Section H. clause entitled, Self-Performed Work, is addressed in the Monthly Report Overview.

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

Contract Section	Project	GFS/I	Status
<b>CONTRACT</b>			
J.12/C.2.3.6	PBS-13, Transuranic Waste Certification	WIPP provides shipping resources and manages the schedule for transportation of these containers to WIPP. The schedule is variable and the number of shipments is controlled by DOE-HQ on a complex-wide priority. Cost for shipment of TRU waste offsite is borne by the CBFO.	Ongoing