

# **Solid Waste Stabilization and Disposition (RL-0013)/Operate Waste Disposal Facility (RL-0080)**

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***218-W-3A T17 with  
Forklift Ramp***



***Retrieval in 218-W-4B Trench 7***

## Overview

This section addresses Project Baseline Summary (PBS) RL-0013, *Solid Waste Stabilization and Disposition*, and RL-0080, *Operate Waste Disposal Facility*.

NOTE: Unless otherwise noted, all information contained herein is as of the end of May 2008.

## Notable Accomplishments

- Eight Transuranic (TRU) waste shipments (70 cubic meters [m<sup>3</sup>]) to the Waste Isolation Pilot Plant (WIPP) were completed in May.
  - A backlog of 272 m<sup>3</sup> of certified waste was available for shipment at the end of the month.
- A total of 105 m<sup>3</sup> of suspect TRU waste was retrieved during May.
- Shipment of all waste required to meet the first increment of TPA Milestone M-91-43 (treatment of Remote-Handled Mixed Low Level Waste and Large Containers) was completed in May. (A total of 136 m<sup>3</sup> has been shipped to date in FY 2008). An additional 72 m<sup>3</sup> of waste was shipped in May in support of TPA Milestone M-91-42 (treatment of Contact-Handled TRU Mixed [TRUM] waste).

## FY 2008 Funds vs. Spend Forecast (\$M)

		Projected FY 2008 Funding	FY 2008 Fiscal Year Spending Forecast	Variance
RL-0013	Solid Waste Stabilization & Disposition	\$ 252.9	\$ 230.1	\$ 22.7
RL-0080	Operate Waste Disposal Facility	\$ 3.5	\$ 2.5	\$ 1.0
<b>TOTAL:</b>		\$ 256.4	\$ 232.6	\$ 23.7

## Schedule/Cost Performance (\$M)

Current Period (Month)		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 (FY08)
RL-0013	Solid Waste Stabilization & Disposition	\$21.5	\$19.1	\$21.8	-\$2.4	-11.0%	-\$2.7	-14.1%	\$216.0
RL-0080	Operate Waste Disposal Facility	\$0.2	\$0.2	\$0.2	\$0.0	-2.6%	\$0.0	9.3%	\$2.3
<b>TOTAL</b>		\$21.7	\$19.4	\$22.0	-\$2.4	-10.9%	-\$2.7	-13.8%	\$218.3

Numbers are rounded to the nearest \$0.1M and include the closure services allocation.

## Schedule/Cost Performance (\$M), continued

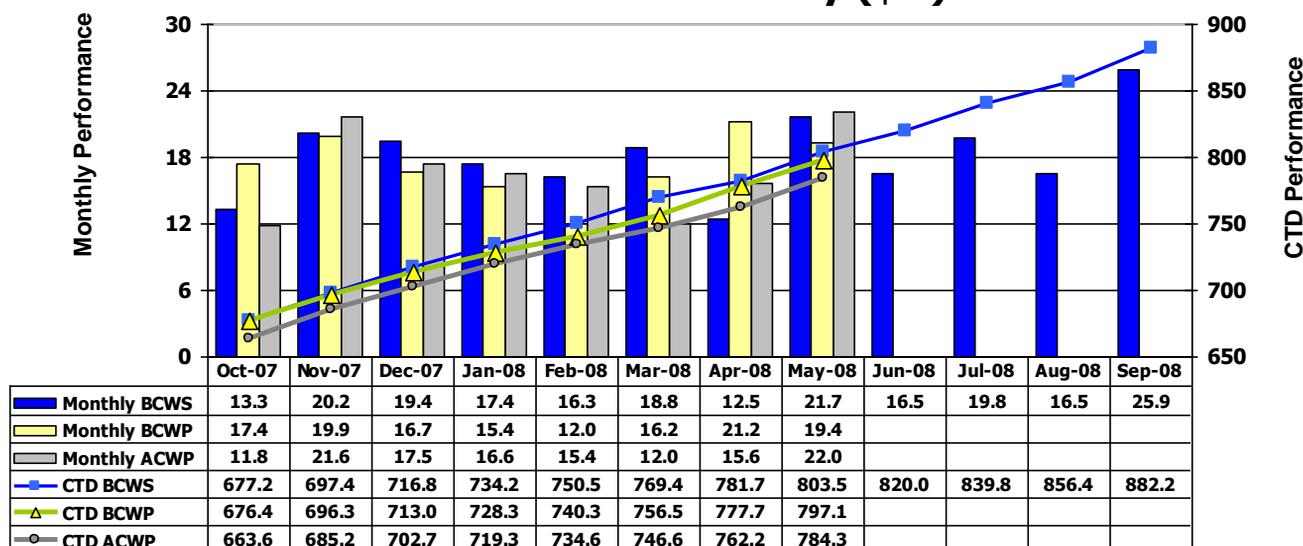
Cumulative-to-Date (FY 2004-Present)		Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance \$	Schedule Variance %	Cost Variance \$	Cost Variance %	Budget At Completion (CTD)
RL-0013	Solid Waste Stabilization & Disposition	\$785.0	\$779.1	\$768.4	-\$5.8	-0.7%	\$10.7	1.4%	\$862.9
RL-0080	Operate Waste Disposal Facility	\$18.5	\$17.9	\$15.9	-\$0.6	-3.2%	\$2.1	11.4%	\$19.3
<b>TOTAL</b>		<b>\$803.5</b>	<b>\$797.1</b>	<b>\$784.3</b>	<b>-\$6.4</b>	<b>-0.8%</b>	<b>\$12.8</b>	<b>1.6%</b>	<b>\$882.2</b>

Numbers are rounded to the nearest \$0.1M and include the closure services allocation.

**CTD Schedule Performance (-\$6.4M/-0.8%):** The variance is primarily due to TRU Retrieval limited production due to difficulties in box retrieval and weather delays, and WIPP Certification activities which were impacted by variations in waste feed availability.

**CTD Cost Performance (+\$12.8M/+1.6%):** The positive variance is a result of efficiencies in WIPP certification, and at the 200 Area Effluent Treatment Facility (ETF), cost savings from 183-H waste disposal at the Environmental Restoration Disposal Facility (ERDF), as well as favorable passbacks. Efficiencies in operation of the Mixed Waste Disposal Units also resulted in positive variances in PBS RL-0080. These are offset by differing conditions and limited production in TRU Retrieval, and capital upgrade projects at T Plant and the Central Waste Complex (CWC).

### Performance Analysis CTD and Monthly (\$M)



## Milestone Achievement

*Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement) 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 FY 2008 Enforceable Agreement milestone information provided herein is based upon the current baseline including RL-approved changes. Changes from month-to-month in both the total number of milestones to be completed and in the forecast status of upcoming milestones are the result of BCRs approved during the reporting period.*

<b>Number</b>	<b>Title</b>	<b>Type</b>	<b>Due Date</b>	<b>Actual Date</b>	<b>Forecast Date</b>	<b>Status/ Comment</b>
M-91-42I	Treat 3,000 m <sup>3</sup> of CH TRUM waste	TPA	12/31/06	4/1/08		Complete
M-91-12	Complete thermal treatment of a cumulative 600 m <sup>3</sup> of CH MLLW	TPA	11/16/07	6/14/07		Complete
M-91-42D	Treat a cumulative 6,520 m <sup>3</sup> of Waste to LDR Requirements	TPA	12/31/07	12/20/07		Complete
M-91-40E	Retrieve a cumulative 7,200 m <sup>3</sup>	TPA	12/31/07	11/27/07		Complete
M-91-42J	Treat 4,200 m <sup>3</sup> of CH TRUM waste	TPA	12/31/07		CY 2009	Missed*
M-26-01R	Submit Annual LDR Report	TPA	4/30/08	4/8/08		Complete
M-091-43B	Begin treating RH MLLW & boxes and large containers of CH MLLW	TPA	6/30/08	6/6/08		Complete
M-91-15	Complete Facilities/Initiate Treatment of RH/CH MLLW	TPA	6/30/08	6/6/08		Complete
M-91-45E	Submit Report on Completed and Scheduled work on RH Boxes and LC RH/CH Waste	TPA	9/30/08		9/30/08	On schedule

\* Milestone series (M-91-42J, etc.) renegotiation required. Quantities are unachievable due to combination of waste not being available and necessary throughput exceeding TRU waste processing capacity.