

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

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*Completion of 183-H Waste  
Shipments to ERDF: 12,224 waste  
packages stored at CWC since 1986*



*A record 14 shipments were  
completed to WIPP in May*



*Completion of Uranium billet receipt in the mixed  
waste trench (1,310 boxes total)*

## 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 2005.

## Notable Accomplishments

**Transuranic (TRU) Waste Program:** A record fourteen shipments totaling 58 cubic meters (m<sup>3</sup>) were shipped to the Waste Isolation Pilot Plant (WIPP) in May. Total shipments to WIPP surpassed 1,000 m<sup>3</sup> (5,000 drums). The Waste Stream Profile Form for Kerr McGee waste to Carlsbad Area Field Office was submitted and approved. SuperHENC assay measurements for Standard Waste Boxes were commenced.

**TRU Waste Retrieval:** A total of 166 cubic meters (m<sup>3</sup>) of suspect TRU waste was retrieved in May, versus 134 m<sup>3</sup> planned. A cumulative total of 2,307 m<sup>3</sup> TRU has been retrieved project-to-date, versus 1,812 m<sup>3</sup> planned.

**Mixed Low Level Waste (MLLW):** A total of 122 m<sup>3</sup> of MLLW waste was dispositioned in May, versus a planned 85 m<sup>3</sup>. To date, a total of 4,286 m<sup>3</sup> of MLLW has been dispositioned versus a planned 3,782 m<sup>3</sup>. Other accomplishments:

- Completed shipment of 183-H waste to the Environmental Restoration Disposal Facility (ERDF), a total of 304 shipments and 12,224 waste packages, 13 months ahead of schedule.
- The Environmental Protection Agency approval was received to send Reactive Scrap-Mixed Low Level Waste (RS-MLLW) Plutonium Finishing Plant Debris to PEcoS for macro-encapsulation prior to disposal at ERDF. The first shipment to PEcoS was completed on June 7, 2005.
- Completed receipt of uranium billets from the 300 Area in the mixed waste trench. Treatment is scheduled for completion in June.

**Liquid Waste Processing:** The 310 Treated Effluent Disposal Facility processed 2.5M gallons of liquid waste in May. Construction of Purgewater Unloading Facility at the 200A Effluent Treatment Facility continued.

## FY 2005 Funds vs. Spend Forecast (\$M)

	Projected FY 2005 Funding	FY 2005 Fiscal Year Spend Forecast	Variance
RL-0013 Solid Waste Stabilization & Disposition	\$ 164.7	\$ 161.2	\$ 3.5
RL-0080 Operate Waste Disposal Facility	\$ 3.9	\$ 3.4	\$ 0.5
<b>Total</b>	<b>\$ 168.6</b>	<b>\$ 164.6</b>	<b>\$ 4.0</b>

## FY 2005 Schedule/Cost Performance (\$M)

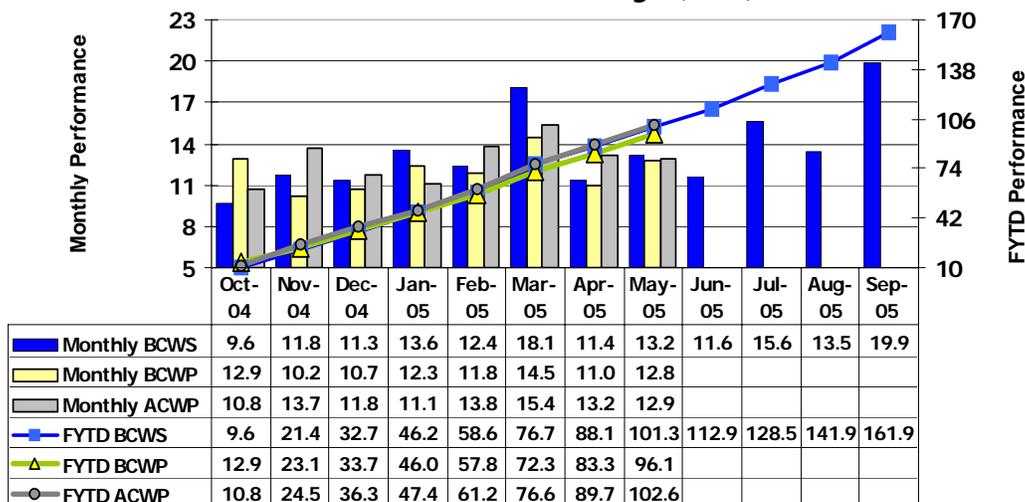
		Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance \$	Schedule Variance %	Cost Variance \$	Cost Variance %	Budget At Completion
RL-0013	Solid Waste Stabilization & Disposition	\$99.1	\$93.8	\$101.0	-\$5.3	-5.3%	-\$7.2	-7.7%	\$158.2
RL-0080	Operate Waste Disposal Facility	\$2.3	\$2.3	\$1.6	\$0.0	-0.3%	\$0.6	28.3%	\$3.7
<b>Total</b>		<b>\$101.3</b>	<b>\$96.1</b>	<b>\$102.6</b>	<b>-\$5.3</b>	<b>-5.5%</b>	<b>-\$6.6</b>	<b>-6.8%</b>	<b>\$161.9</b>

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

**Schedule Performance (-\$5.3M/-5.5%):** The schedule variance in PBS RL-0013 is primarily due to WIPP shipments through May being four months behind, while TRU Retrieval is ahead of plan. WIPP shipments will continue to be unfavorable until the new Performance Incentive is signed.

**Cost Performance (-\$6.6M/-6.8%):** The cost variance in PBS RL-0013 is due to continuing waste characterization and assembling payloads for WIPP shipments, up-front payment for thermal treatment, and North Load Out Pit (NLOP) sludge cost being incurred while awaiting Baseline Change Request (BCR) approval. These are offset by TRU Retrieval production efficiencies with higher volumes.

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



## Milestones

Number	Title	Type	Due Date	Actual Date	Forecast Date	Status/ Comment
M-91-42A (WMG-05-003)	Treat 1,630 m <sup>3</sup> (cum) of Waste to LDR Requirements	TPA	12/31/04	12/31/03		Complete
M-91-40B (WMG-05-002)	Retrieve 1,200 m <sup>3</sup> (cum) of suspect TRU Waste	TPA	12/31/04	9/30/04		Complete
M-26-01O (WMG-05-L01)	Submit Annual LDR Report	TPA	4/30/05	4/28/05		Complete
M-91-45B (WMG-05-008)	Submit Report on Completed and Scheduled work on RH Boxes and LC RH/CH Waste	TPA	9/30/05		9/30/05	On Schedule
M-91-12A	Complete thermal treatment of 240 m <sup>3</sup> of CH-MLLW	TPA	9/30/05		9/30/05	On Schedule
M-91-40C (WMG-06-002)	Retrieve a cumulative 2,700 m <sup>3</sup>	TPA	12/31/05		8/30/05	Ahead of Schedule
M-91-42B (WMG-06-013)	Treat a cumulative 3,260 m <sup>3</sup> of Waste to LDR Requirements	TPA	12/31/05	12/7/04		Complete
M-91-40D (WMG-07-002)	Retrieve a cumulative 4,700 m <sup>3</sup>	TPA	12/31/06		12/31/06	On Schedule
M-91-40R (WMG-07-003)	Complete Retrieval of Trench 4, Burial Ground 218-W-4C	TPA	12/31/06		12/31/06	On Schedule
M-91-42C (WMG-07-004)	Treat a cumulative 4,890 m <sup>3</sup> of Waste to LDR Requirements	TPA	12/31/06		12/31/06	On Schedule