

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

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*Completed covering of the first  
layer in the mixed waste trench*



## 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 July 2004.

## Notable Accomplishments

**Transuranic (TRU) Waste Program:** Five shipments to the Waste Isolation Pilot Plant (WIPP) totaling 36 cubic meters (m<sup>3</sup>) were completed in July. A total of 564 m<sup>3</sup> has been shipped this fiscal year versus 504 m<sup>3</sup> planned.

**TRU Waste Retrieval:** A total of 293 m<sup>3</sup> of suspect TRU waste was retrieved in July versus 140 m<sup>3</sup> planned. Through July 31, 2004, a total of 943 m<sup>3</sup> was retrieved, versus 556 m<sup>3</sup> planned.

**Mixed Low Level Waste (MLLW) Treatment:** FH dispositioned 96 m<sup>3</sup> of MLLW in July. This fiscal year, a total of 2,809 m<sup>3</sup> has been dispositioned versus 2,815 m<sup>3</sup> planned.

**Liquid Waste Processing:** The 200 Area Effluent Treatment Facility processed and disposed of 1.9 million gallons of waste in July. The 300 Area Treated Effluent Disposal Facility processed and disposed of 3.6 million gallons of industrial waste water.

## FY 2004 FH Funds versus Forecast (\$000)

	FY 2004 Anticipated Funding w/Carryover	FY 2004 Fiscal Year Spend Forecast	Variance
RL-0013 Solid Waste Stabilization & Disposition	\$ 140,139	\$ 140,116	\$ 23
RL-0080 Operate Waste Disposal Facility	\$ 3,014	\$ 3,014	\$ 0
<b>Total</b>	<b>\$ 143,153</b>	<b>\$ 143,130</b>	<b>\$ 23</b>

## FY 2004 Schedule/Cost Performance (\$000)

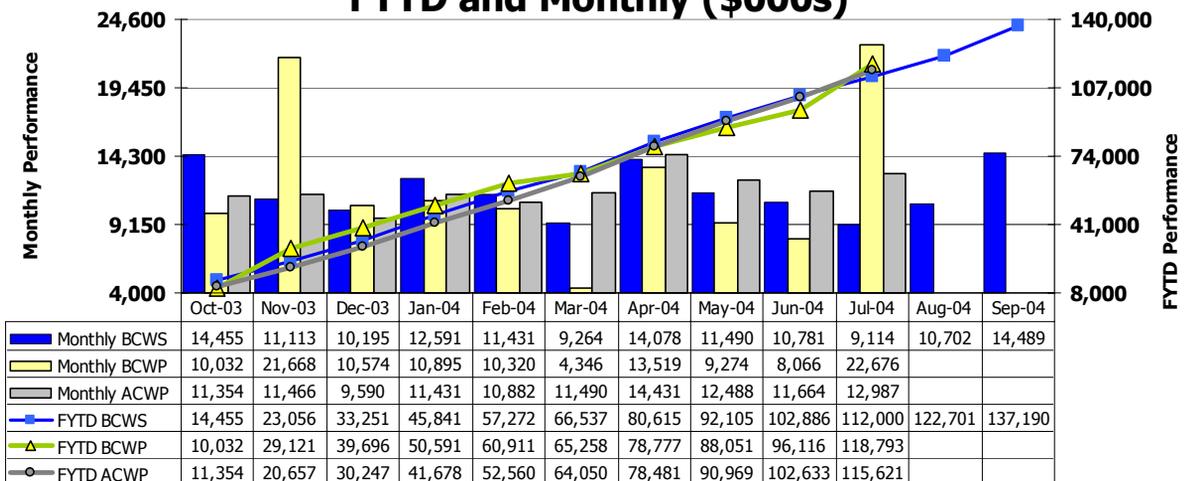
		Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance \$	Schedule Variance %	Cost Variance \$	Cost Variance %	Budget At Completion
RL-0013	Solid Waste Stabilization & Disposition	109,327	115,842	113,304	6,515	6%	2,537	2%	134,006
RL-0080	Operate Waste Disposal Facility	2,673	2,951	2,316	278	10%	635	22%	3,184
<b>Total</b>		<b>112,000</b>	<b>118,793</b>	<b>115,621</b>	<b>6,793</b>	<b>6%</b>	<b>3,172</b>	<b>3%</b>	<b>137,190</b>

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

**Schedule Performance:** The favorable schedule variance of \$6,515K/6% in PBS RL-0013 is primarily from WIPP shipments being well ahead of plan, early procurement of the Box Assay unit, TRU retrieval being ahead of plan, and completion of FY 2003 carryover work. The favorable schedule variance of \$278K/10% in PBS RL-0080 is due to FY 2003 workscope being completed in FY 2004.

**Cost Performance:** The favorable cost variance of \$2,537K/2% in PBS RL-0013 is due to production efficiencies achieved with WIPP shipments and TRU retrieval production, and less corrective maintenance than planned at the Waste Encapsulation and Storage Facility and 300 Area Liquids. These are offset by unplanned Central Waste Complex Fire System Upgrades being extended to additional facilities, Involuntary Reduction of Force costs, the union ratification contract payment, and the site medical provider transition costs. The favorable cost variance of \$635K/22% in PBS RL-0080 is due to efficiencies achieved in the Low Level Burial Group and MLLW treatment and disposal, and lower-than-planned cost for the Operational Layer in the mixed waste trench.

### Performance Analysis FYTD and Monthly (\$000s)



## Milestone Achievement

Number	Milestone Title	Type	Due Date	Forecast Date	Status/Comment
M-91-03A	Submit Revisions to the Hanford Site TRU/TRUM and MLLW PMP to Ecology	TPA	12/31/2003	-	Complete 12/31/03
M-91-22	T Plant is Ready to Receive Canister and Fuel Wash Sludge from K Basins	TPA	2/29/2004	-	To be deleted as part of the M-91 Settlement Agreement
M-26-07A	Submit Evaluation of Status of Development of Tritium Treatment Technology	TPA	3/31/2004	-	Complete 3/12/04
M-26-01N	Submit Annual Hanford Land Disposal Restrictions Report	TPA	4/30/2004	-	Complete 4/29/04