

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

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Contract awarded to Perma-Fix for thermal treatment of mixed waste. Two shipments were completed in October.

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 October 2004.

Notable Accomplishments

Transuranic (TRU) Waste Retrieval: A total of 116 cubic meters (m³) of suspect TRU waste was retrieved in October. FH hosted a DOE complex-wide retrieval workshop in October 2004.

Mixed Low Level Waste (MLLW): A total of 85 m³ of MLLW waste was retrieved in October as planned. The commercial contract for thermal treatment of MLLW was awarded to Perma-Fix, and waste shipments were initiated in October 2004.

Liquid Waste Processing: The 200 Area Effluent Treatment Facility processed and disposed of 3.3 million gallons of waste in October. The 300 Area Treated Effluent Disposal Facility processed and disposed of 2.3 million gallons of industrial waste water.



TRU waste retrieval operations

Anticipated FY 2005 FH Funds (\$M)

	FY 2005 Anticipated Funding w/Carryover
RL-0013 Solid Waste Stabilization & Disposition	\$ 167.4
RL-0080 Operate Waste Disposal Facility	\$ 3.8
Total	\$ 171.2

FY 2005 Schedule/Cost Performance (\$M)

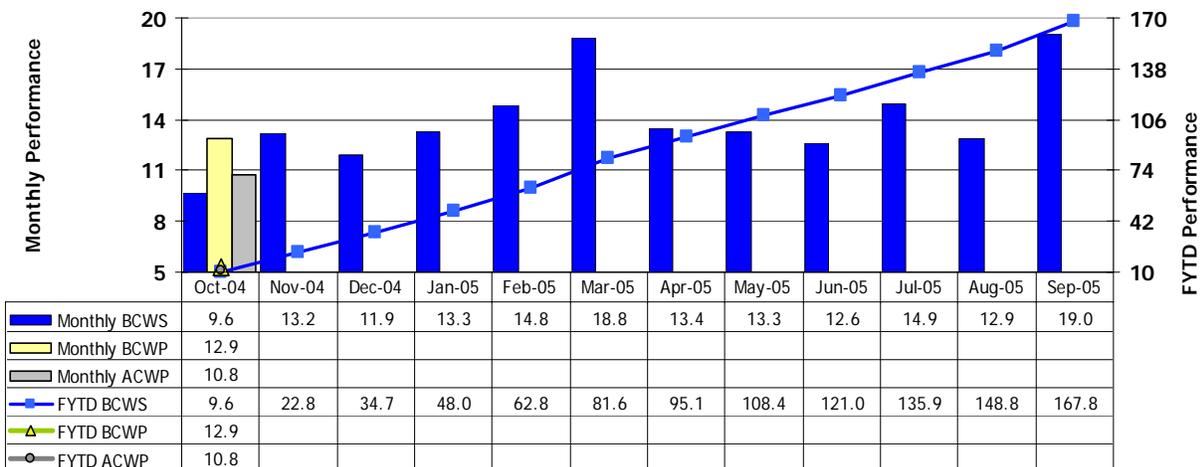
		Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance \$	Schedule Variance %	Cost Variance \$	Cost Variance %	Budget At Completion
RL-0013	Solid Waste Stabilization & Disposition	\$9.4	\$12.7	\$10.5	\$3.3	35.0%	\$2.2	17.2%	\$164.2
RL-0080	Operate Waste Disposal Facility	\$0.2	\$0.2	\$0.3	\$0.0	-16.0%	-\$0.1	-29.1%	\$3.6
Total		\$9.6	\$12.9	\$10.8	\$3.3	25.2%	\$2.1	16.5%	\$167.8

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

Schedule Performance (+\$3.3M/+25.2%): The favorable schedule variance in PBS RL-0013 is primarily due to TRU retrieval and assembly of the Waste Isolation Pilot Plant (WIPP) box assay unit ahead of schedule. This is offset by no WIPP shipments in October.

Cost Performance (+\$2.1M/+16.5%): The favorable cost variance in PBS RL-0013 is due to TRU retrieval production efficiencies with higher volumes. This is offset by continuing waste characterization and assembling payloads for WIPP shipments.

Performance Analysis FYTD and Monthly (\$M)



Issue

Transuranic (TRU) Waste Program: Delays in receiving DART® Audit approval from the Environmental Protection Agency/Carlsbad Area Field Office/New Mexico Environment Department threaten the ability to meet shipping commitments. Approval of the DART® Audit is needed for approximately 75 percent of all future debris shipments. No shipments were completed in October. Hanford is limited to shipping only waste repackaged in the Waste Receiving and Packaging Processing facility glovebox, or about two shipments per month, versus the eight-to-ten-to-twelve per month ramp-up planned in FY 2005. The project continues to build up a backlog of certified debris-waste.

Milestone Achievement

Number	Milestone Title	Type	Due Date	Forecast Date	Status/Comment
M-91-40C (WMG-06-002)	Retrieve a cumulative 2,700 m ³	TPA	12/31/05		
M-91-42B (WMG-06-013)	Treat a cumulative 3,260 m ³ of Waste to LDR Requirements	TPA	12/31/05		
M-91-40D (WMG-07-002)	Retrieve a cumulative 4,700 m ³	TPA	12/31/06		
M-91-40R (WMG-07-003)	Complete Retrieval of Trench 4, Burial Ground 218-W-4C	TPA	12/31/06		
M-91-42C (WMG-07-004)	Treat a cumulative 4,890 m ³ of Waste to LDR Requirements	TPA	12/31/06		