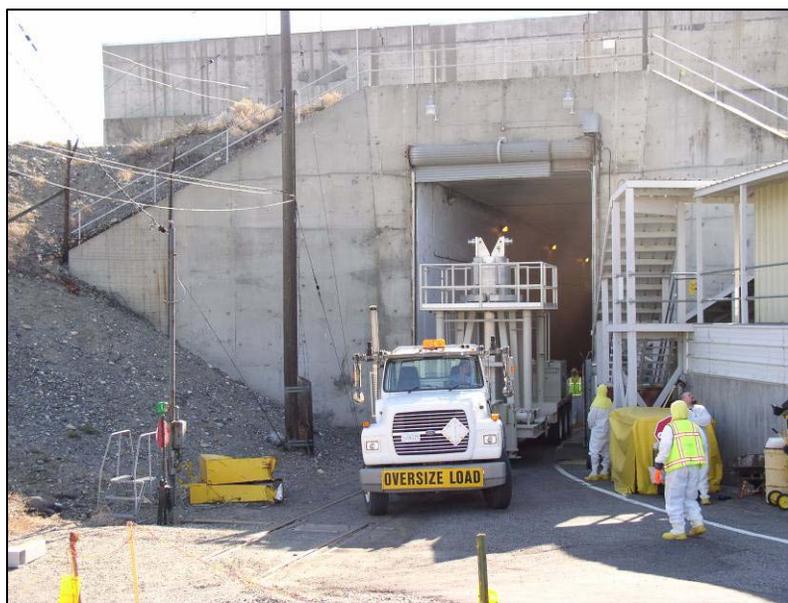


Solid Waste Stabilization and Disposition (RL-0013)/Operate Waste Disposal Facility (RL-0080)

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Completed the eighteenth and final shipment of Shippingport
fuel from T Plant to the Canister Storage Building

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 September 2004.

Top FY 2004 Accomplishments

Transuranic (TRU) Waste Program: Completed a total of 426 cubic meters (m³) of shipments to the Waste Isolation Pilot Plant (WIPP) in FY 2004. A total of 758 m³ has been shipped to WIPP since shipping was initiated in July 2000.

TRU Waste Retrieval: Initiated the retrieval of suspect TRU waste at Hanford in FY 2004. A total of 1,346 m³ of suspect TRU waste was retrieved in FY 2004, which is 500 m³ more than was planned.

Mixed Low Level Waste (MLLW) Treatment: FH has dispositioned a total of 3,150 m³ of MLLW, which was 48 m³ more than was planned. FH completed the covering of the first layer in the mixed waste trench number 34 in July 2004.

Liquid Waste Processing: The 200 Area Effluent Treatment Facility processed and disposed of 27.3 million gallons of waste in FY 2004. The 300 Area Treated Effluent Disposal Facility processed and disposed of 36.8 million gallons of industrial waste water in FY 2004.

Waste Disposal Operations: Unlined trench waste disposal at Hanford was terminated in response to the approval of the Waste Management Environmental Impact Statement Record of Decision in June 2004.

Notable September Accomplishments

T Plant: FH completed the final shipment of Shippingport Spent Fuel from T Plant to the Canister Storage Building. FH vented the first Kerr-McGee drum at T Plant.

TRU Waste Program: FH completed two of the planned twelve shipments to WIPP totaling 14 m³. WIPP shipments are behind due to delays in receiving the Audit Report. FH is building up our backlog in anticipation of the audit being approved.

TRU Waste Retrieval: A total of 167 m³ of suspect TRU waste was retrieved in September versus 140 m³ planned. FH completed Tri-Party Agreement M-91-40 Milestone, "*Retrieve 1,200 m³ of Retrievably Stored Waste*," four months ahead of schedule.

Liquid Waste Processing: The 200 Area Effluent Treatment Facility processed and disposed of 3.3 million gallons of waste in September. The 300 Area Treated Effluent Disposal Facility processed and disposed of 4.4 million gallons of industrial waste water.

FY 2004 FH Funds versus Forecast (\$M)

	FY 2004 Anticipated Funding w/Carryover	FY 2004 Fiscal Year Spend Forecast	Variance
RL-0013 Solid Waste Stabilization & Disposition	\$ 140.2	\$ 138.3	\$ 1.9
RL-0080 Operate Waste Disposal Facility	\$ 3.0	\$ 3.0	\$ 0.0
Total	\$ 143.2	\$ 141.3	\$ 1.9

FY 2004 Schedule/Cost Performance (\$M)

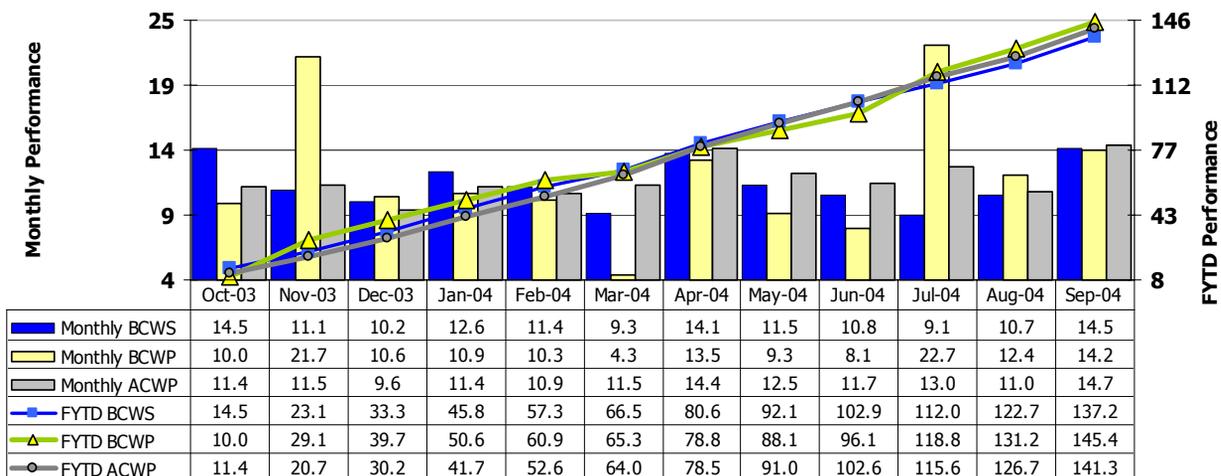
	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance \$	Schedule Variance %	Cost Variance \$	Cost Variance %	Budget At Completion
RL-0013 Solid Waste Stabilization & Disposition	\$134.0	\$141.5	\$138.3	\$7.5	5.6%	\$3.2	2.2%	\$134.0
RL-0080 Operate Waste Disposal Facility	\$3.2	\$3.9	\$3.0	\$0.8	24.0%	\$0.9	23.1%	\$3.2
Total	\$137.2	\$145.4	\$141.3	\$8.2	5.7%	\$4.1	2.8%	\$137.2

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

Schedule Performance (+\$8.2M/+5.7%): The favorable schedule variance in PBS RL-0013 is primarily from TRU retrieval being ahead of plan, early procurement of the WIPP Box Assay unit and laboratory equipment, and completion of FY 2003 carryover work. The favorable schedule variance in PBS RL-0080 is due to FY 2003 workscope being completed in FY 2004.

Cost Performance (+\$4.1M/+2.8%): The favorable cost variance in PBS RL-0013 is due to production efficiencies achieved with TRU retrieval production, and MLLW Treatment and Liquid Effluents operating effectively. These are offset by increases in the Central Waste Complex Fire System upgrade requirements. The favorable cost variance in PBS RL-0080 is due to efficiencies achieved in the Low Level Burial Ground and MLLW treatment and disposal, and lower-than-planned cost for the Operational Layer in the mixed waste trench.

Performance Analysis FYTD and Monthly (\$M)



Milestone Achievement

Number	Milestone Title	Type	Due Date	Forecast Date	Status/Comment
M-91-45A (WMG-04-008)	Submit Report Describing Completed and Scheduled Work on RH Waste and Boxes and Large Containers of RH/CH Waste	TPA	9/30/04	-	Complete 9/30/04
M-91-40B (WMG-05-002)	Retrieve a cumulative 1,200 m ³	TPA	12/31/04	-	Complete 9/1/04
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		