

Fast Flux Test Facility (FFTF) Project (RL-0042)

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*Interim Storage Cask being placed in the
400 Area Interim Storage Area.*



*A dip tube and piping were
installed to transfer sodium
from the Fuel Storage Facility
vessel to the Sodium Storage
Facility.*



The Sodium Storage Facility (SSF)

Overview

This section addresses work in Project Baseline Summary RL-0042, *Nuclear Facility Deactivation and Decommissioning, Fast Flux Test Facility Project*.

NOTE: Unless otherwise noted, all information contained herein is as of the end of August 2005.

Notable Accomplishments

Fuel Offload: On August 3-4, 2005, the Project received four Interim Storage Casks (ISCs). Four more were received August 30-31, 2005. These are the first two groups of ISCs to be received from the last fabrication campaign of 13 ISCs, which will be needed to complete the entire fuel offload activity at FFTF (52 ISCs total). The remaining five casks are expected to be delivered in late October.

Three of the first eight ISCs were filled and placed in the 400 Area Interim Storage Area (ISA).

Fabrication started this month at Parsons Hanford Fabrication, Inc. (PHFI) on the equipment needed for the disassembly of the SRF3, SRF4, and ACN1 spent fuel assemblies to prepare them for long term dry storage in an ISC. This equipment will be needed in late September to support training and testing prior to commencing the actual disassembly activities.

Fuel Storage Facility (FSF) Sodium Drain: The Readiness Checklist was signed off and the transfer of sodium from the FSF to the Sodium Storage Facility (SSF) began. Routine batch transfer operations began on Monday, August 29, 2005; a total of 10 transfers comprising approximately 3,300 gallons have been completed.

System Deactivation: The second of two 125 VDC former Class 1E battery banks, consisting of 60 lead-acid battery cells, has been discharged. Both of these battery banks have now been removed and packaged for recycling.

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

	Projected FY 2005 Funding	FY 2005 Fiscal Year Spend Forecast	Variance
FFTF Project	\$ 45.0	\$ 41.0	\$ 4.0

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
FFTF Project	\$39.7	\$37.9	\$35.8	-\$1.7	-4.4%	\$2.1	5.5%	\$44.2

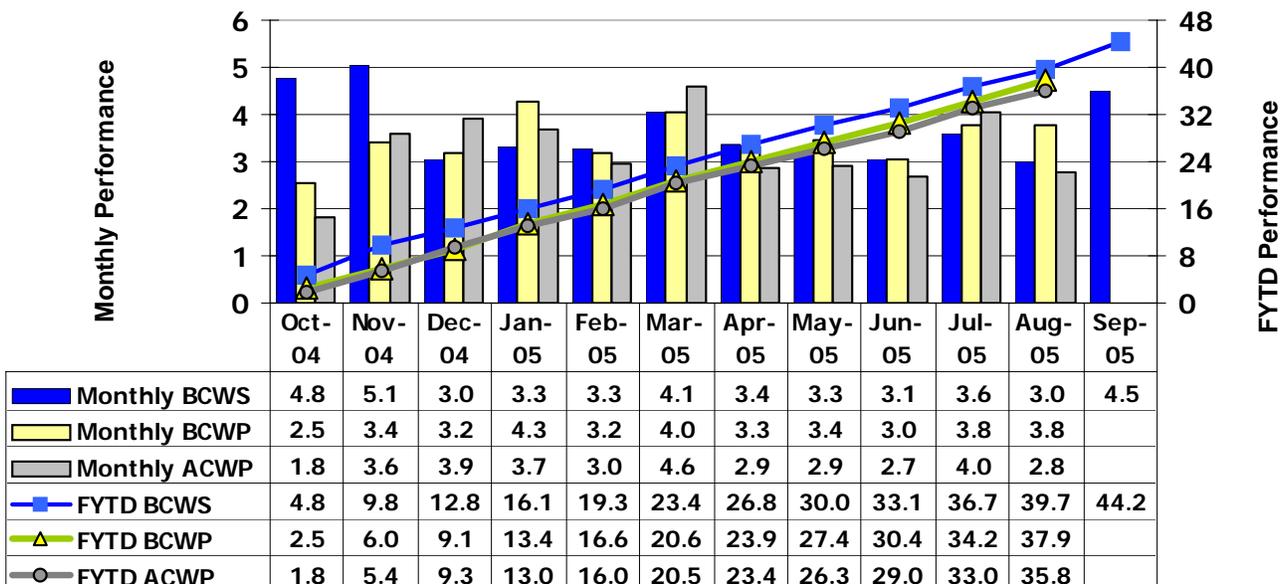
Numbers are rounded to the nearest \$0.1M.

Schedule Performance (-\$1.7M/-4.4%): The schedule variance is primarily due to delays in fuel pin processing and the ISC fabrication procurement being budgeted in October and November to clearly identify the timing of needed funds; the fabrication will actually occur from December until the end of the fiscal year.

Cost Performance (+\$2.1M/+5.5%): The cost variance is due to staffing underruns and efficiencies.

FY 2005 Schedule/Cost Performance, continued

Performance Analysis FYTD and Monthly (\$M)



Milestone Achievement

Number	Milestone Title	Type	Due Date	Actual Date	Forecast Date	Status/Comments
RL42-1a3	Complete loading and transferring ten additional Interim Storage Casks	PI	3/31/05	8/9/05		Complete / See Note
M-81-13 (BM-81-13)	Complete reactor & HTS sodium drain	TPA	6/30/05	6/21/05		Complete
M-81-11 (BM-81-11)	Submit FFTF end point criteria document	TPA	8/31/05	7/7/05		Complete
RL 42A-1b	Complete FFTF sodium drain from the reactor vessel and the Fuel Storage Facility vessel	PI	9/30/05		9/13/05	Reactor vessel drained 6/21/05; FSF drain in progress.
RL 42A-1a1	Process fuel assemblies PO-4, SRF-3, & SRF-4, which require disassembly	PI	11/30/05		11/30/05	On schedule / PO-4 completed 7/21/05
RL 42A-1a3	Complete loading of six additional Interim Storage Casks and place in the 400 Area Interim Storage Area	PI	11/30/05		11/30/05	On schedule / Two of six complete.

NOTE: The ninth ISC was loaded and shipped on January 21, 2005. The tenth ISC, which was damaged during manufacturing, was replaced by the vendor in August 2005 and filled on August 9, 2005.