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

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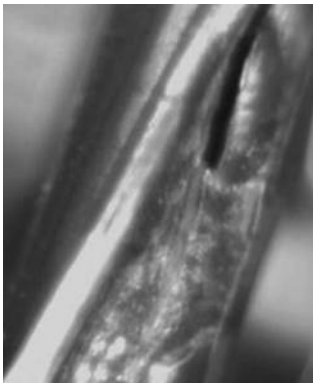
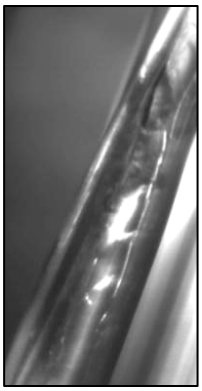
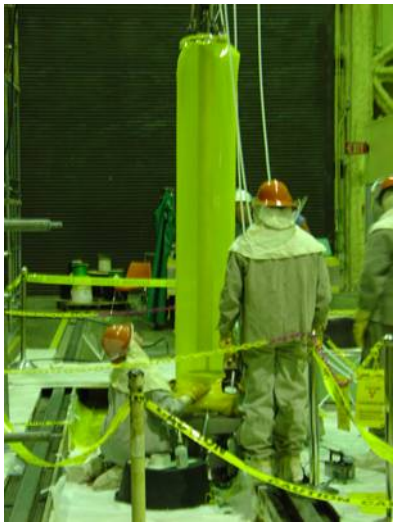
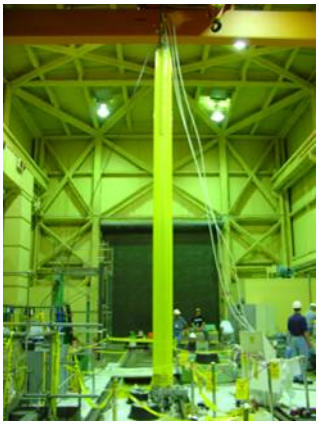
PO-4 Pin processing activities completed in July. Failed test articles were identified and isolated.









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

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 July 2005.

Notable Accomplishments

FFTF Deactivation End Point Criteria Document: The FFTF Deactivation End Point Criteria document was approved and released for use in fulfillment of TPA Milestone M-81-011, "Submit FFTF End Point Criteria Document," due August 31, 2005. Approval involved informal and formal review by both RL and Ecology, and was transmitted on July 7, 2005, well ahead of the due date.

Fuel Offload: PO-4 fuel assembly pin processing completed in July. One pin was visually identified as a leaker, and five additional fuel pins were identified as potential leakers based on pin weights. All six pins were placed into pin storage tubes and loaded into an ID69 pin container. Fuel washing activities resumed, and there are 14 fuel assemblies washed and loaded in Core Component Containers. Four Interim Storage Casks will be shipped from the manufacturer to FFTF during the first week of August.

Fuel Storage Facility (FSF) Sodium Drain: Installation of the dip tube and sodium/gas piping required to drain/transfer sodium from the Fuel Storage Facility vessel to the Sodium Storage Facility was completed. Field work to install required trace heat on the sodium transfer equipment has begun.

System Deactivation: One of the four emergency service 125 volt battery banks was disconnected from service in preparation for removal and recycling. This battery bank consists of sixty lead-acid cells, each of which is about 7" x 15" x 22" high, and weighs almost 200 pounds.

Reactor Service Building: Offload of liquid radioactive waste from the storage tank located in the Reactor Service Building was completed. Liquid radioactive waste offload had not been performed at FFTF since deactivation of the Hanford rail system, thus new jumpers had to be designed and fabricated to interface with a tanker truck.

FY 2005 Funds vs. Spend Forecast ($M)

	Projected FY 2005 Funding	FY 2005 Fiscal Year Spend Forecast	Variance
FFTF Project	$ 44.9	$ 42.8	$ 2.1

FY 2005 Schedule/Cost Performance ($M)

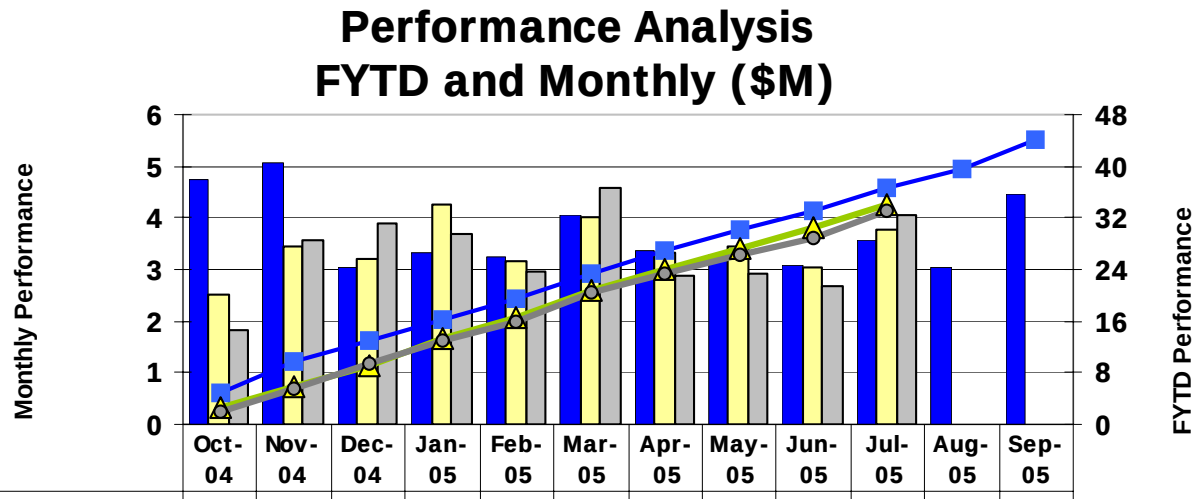
	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance $	Schedule Variance %	Cost Variance $	Cost Variance %	Budget At Completion
FFTF Project	$36.7	$34.2	$33.0	-$2.5	-6.8%	$1.1	3.3%	$44.2

Numbers are rounded to the nearest $0.1M.

Schedule Performance (-$2.5M/-6.8%): The schedule variance is primarily due to delays in fuel pin processing and the Interim Storage Cask (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 (+$1.1M/+3.3%): The cost variance is due to staffing underruns and efficiencies.

FY 2005 Schedule/Cost Performance, continued



	Oct-04	Nov-04	Dec-04	Jan-05	Feb-05	Mar-05	Apr-05	May-05	Jun-05	Jul-05	Aug-05	Sep-05
Monthly BCWS	4.8	5.1	3.0	3.3	3.3	4.1	3.4	3.3	3.1	3.6	3.0	4.5
Monthly BCWP	2.5	3.4	3.2	4.3	3.2	4.0	3.3	3.4	3.0	3.8		
Monthly ACWP	1.8	3.6	3.9	3.7	3.0	4.6	2.9	2.9	2.7	4.0		
FYTD BCWS	4.8	9.8	12.8	16.1	19.3	23.4	26.8	30.0	33.1	36.7	39.7	44.2
FYTD BCWP	2.5	6.0	9.1	13.4	16.6	20.6	23.9	27.4	30.4	34.2		
FYTD ACWP	1.8	5.4	9.3	13.0	16.0	20.5	23.4	26.3	29.0	33.0		

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	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
M-92-10 (B43-05-001)	Submit Na disposition evaluation report	TPA	7/31/07			Due date aligned with EIS development.

NOTE: The ninth ISC was loaded and shipped on January 21, 2005. The tenth ISC was damaged during manufacturing; that ISC will be replaced by the vendor in August 2005.