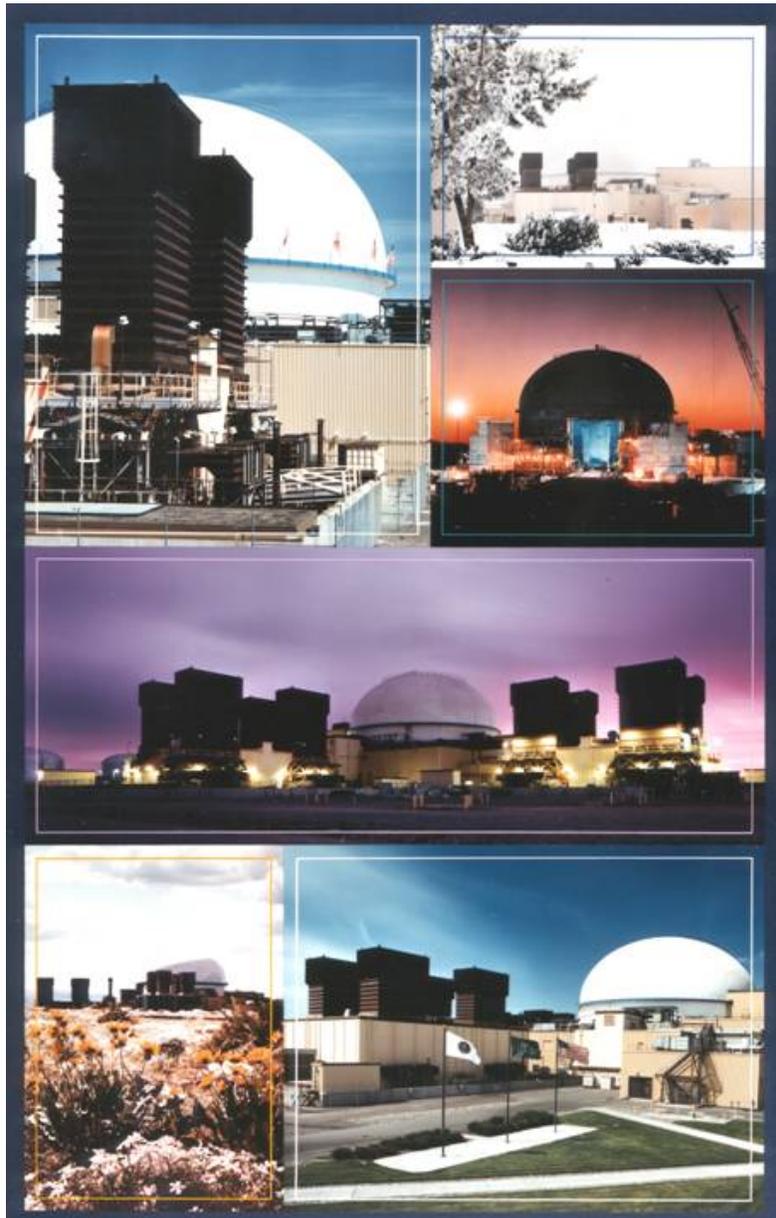


# Fast Flux Test Facility (FFTF) Project (RL-0042)

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*The Fast Flux Test 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 March 2005.

## Notable Accomplishments

**Fuel Offload:** All fuel shuffles within Interim Decay Storage were completed in preparation to resume washing and packaging fuel into Interim Storage Casks later this year. All special tooling required to process the PO-4 fuel assembly has been configured, and will be transferred into the Interim Examination and Maintenance (IEM) Cell in April. The horizontal cutter was repaired and retested satisfactorily. The 309 Building IEM Cell Training Facility was returned to operation, and training conducted this month. Retrieval of 45 fuel pins from storage containers is underway at the request of DOE-HQ.

**Primary Sodium Drain:** Preparations for draining the reactor vessel (Phase 3 of primary sodium drain) continue. Work to resolve concerns related to the core support structure drilling operation continues. The resolution involves using a go/no-go gauge to determine whether the drill bit will fit through the tube in the core basket, and performing a full length reaming operation if needed. Design, procurement, and fabrication of the required equipment are in progress. Fabrication of the two required drilling drive shaft extensions and the bearing carrier seal plug is complete. Contracts have been put in place to fabricate the long reamers and to confirm compatibility between the planned equipment sleeving material and sodium and sodium hydroxide.

**Fuel Storage Facility (FSF) Sodium Drain:** Efforts have begun for draining sodium from the FSF. Two tanks removed from the Closed Loop Module will be used to build a system allowing a series of vacuum/pressure transfers from FSF to the Sodium Storage Facility. Detailed design of the required equipment is essentially complete; the piping isometric drawing and the work package required to perform modifications to the tanks are in approval. Asbestos assessments have been completed for both the vessel vault and the closed loop tanks, and field work is scheduled to resume.

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

	Projected FY 2005 Funding	FY 2005 Fiscal Year Spend Forecast	Variance
FFTF Project	\$ 44.9	\$ 44.4	\$ 0.5

## FY 2005 Schedule/Cost Performance (\$M)

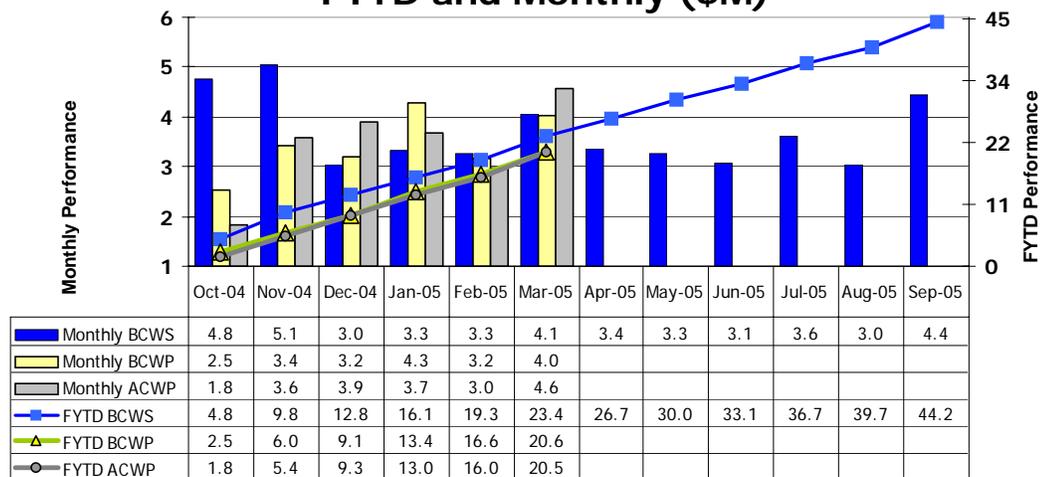
	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance \$	Schedule Variance %	Cost Variance \$	Cost Variance %	Budget At Completion
FFTF Project	\$23.4	\$20.6	\$20.5	-\$2.8	-11.9%	\$0.1	0.4%	\$44.2

Numbers are rounded to the nearest \$0.1M.

**Schedule Performance (-\$2.8M/-11.9%):** The schedule variance is primarily due to the Interim Storage Cask 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 (+\$0.1M/+0.4%):** The cost variance is due to staffing underruns and efficiencies.

### 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 (ISCs)	PI	3/31/05	See Note	3/31/05	See Note

**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 late summer 2005.