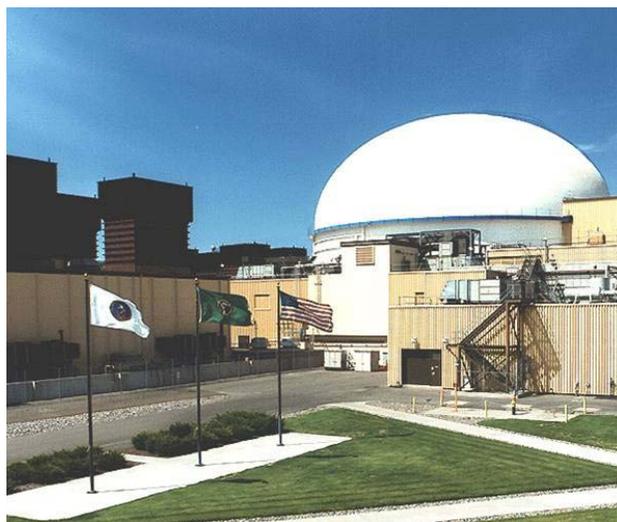


# Nuclear Facility Deactivation and Decommissioning (D&D), Fast Flux Test Facility (FFTF) Project (RL-0042)

D. B. Klos, FFTF Project Director/  
(509) 376-5457



Solid Waste Cask



Fast Flux Test Facility



Fabricating Reactor  
Vessel Drill String



Performing Polar  
Crane Maintenance

## Overview

This section addresses Project Baseline Summary (PBS) 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 February 2004.

## Notable Accomplishments

**Fuel Handling and Interim Examination and Maintenance (IEM) Cell Operations:** Preparation of the in-cell equipment for the disassembly of fuel assembly MFF-1 is in progress. The IEM Cell manipulator repair activity continues. The IEM Cell Training Facility in the 309 Building is being placed into operation for operator training. These activities are geared towards the restart of the fuel disassembly process later this spring.

**Interim Decay Storage (IDS):** All preparations were completed for reducing the sodium level in the IDS vessel. Approximately 1,400 gallons of sodium were drained from the vessel (to the primary sodium storage tank) on March 1, 2004. This level reduction, in conjunction with "plunging" sodium from the upper portion of the Core Component Pots (now in progress), will allow fuel handling to occur without exposing the fuel handling machine grapples to liquid sodium. It is expected that this will significantly reduce problems with the grapples.

**Sodium Flush of In-Containment Sodium-Potassium (NaK) Loops:** Installation of the Vent Line Service Equipment on the IDS cooling loop was completed. This equipment is needed to allow drain and refill of the loop as required for installing the sodium-to-NaK cross connects for the sodium flush. In addition, many instrument calibrations were completed in both the primary cold trap and IDS NaK cooling loops in preparation for performing the flush process.

**Reactor Vessel Drain Pump:** The "pump skid" portion of the Reactor Vessel Drain Pump was received from the vendor. The Reactor Vessel Drain Pump is a fluidic pump that will be used to remove non-drainable sodium from the reactor vessel. It consists of two main sections: a pump chamber/check valve assembly that will be located inside the reactor vessel; and the pump skid (nitrogen/vacuum supplies, gas and sodium valves and associated controls). The pump chamber has been shipped, but has not been received.

## FY 2004 FH Funds versus Forecast (\$000)

	FY 2004 Anticipated Funding w/Carryover	FY 2004 Fiscal Year Spend Forecast	Variance
Nuclear Facility D&D, FFTF Project	\$ 38,413	\$ 38,413	\$ 0

The "FY 2004 Anticipated Funding" excludes \$3.8M for the post-PHMC period September 1-30, 2004. The fiscal year spend forecast is based on the scope documented in a baseline change request under review with RL and includes the entire fiscal year. The adjusted spend forecast variance is then -\$535K, which will be managed through spending controls.

## FY04 Schedule/Cost Performance (\$000)

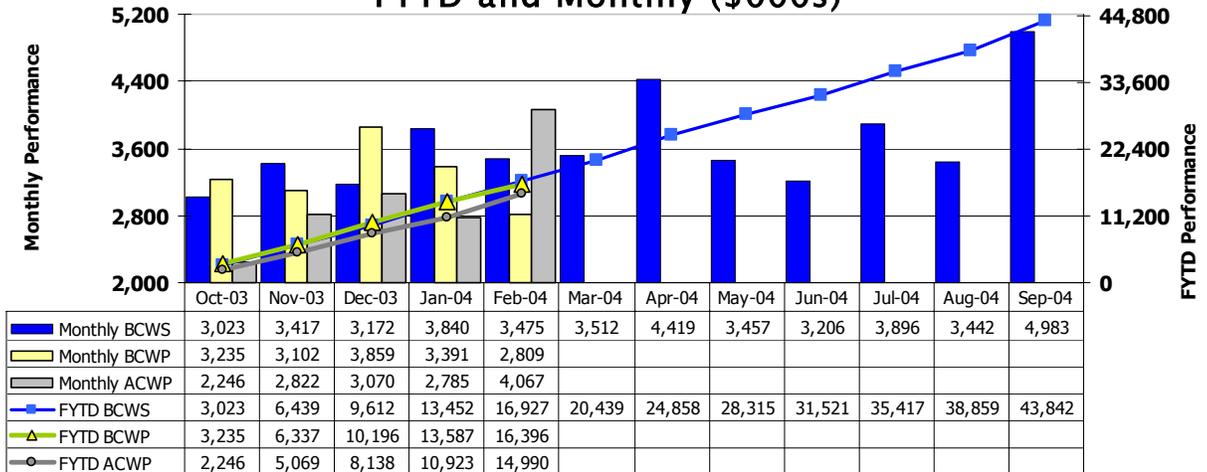
	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance \$	Schedule Variance %	Cost Variance \$	Cost Variance %	Budget At Completion
Nuclear Facility D&D, FFTF Project	16,927	16,396	14,990	-531	-3%	1,406	9%	43,842

Numbers are rounded to the nearest \$K.

**Schedule Performance (-\$531K/-3%):** The schedule variance is within the established threshold.

**Cost Performance(+ \$1,406K/9%):** The cost variance is primarily due to controlled spending in the surveillance and maintenance area and better-than-planned efficiency in performance of fuel offload activities. Scope is being evaluated for potential acceleration of other deactivation activities.

### Performance Analysis FYTD and Monthly (\$000s)



## Milestone Achievement

Number	Milestone Title	(TPA/DNSFB/PI)	Due Date	Actual Date	Forecast Date	Status/Comments
PI-S3-4a	Secondary system sodium drain	PI	5/31/03	4/16/03		Complete
PI-S3-4b	Fuel Offload - 81 assemblies	PI	1/22/04	12/11/03		Complete
M-81-12	Initiate FFTF sodium drain	TPA	6/30/03	4/7/03		Complete
M-20-29B	Submit sodium storage facility and sodium reaction facility closure plan or request for procedural closure to Ecology as defined in Agreement section 6.3.3.	TPA	6/30/03	6/12/03		Complete