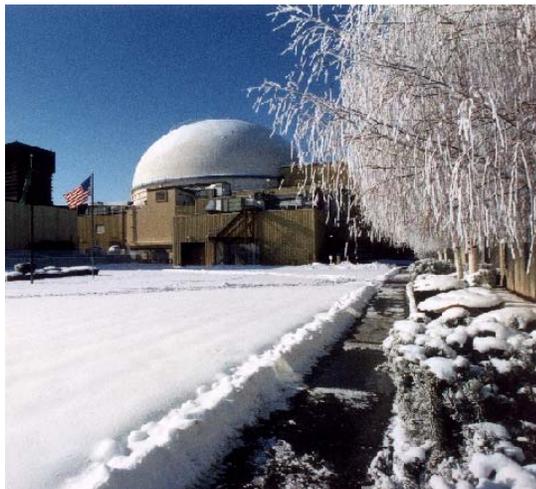


Nuclear Facility Deactivation and Decommissioning (D&D), Fast Flux Test Facility (FFTF) Project (RL-0042)

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



Fast Flux Test Facility



Solid Waste Cask



Interim Storage Cask being prepared for transport



Interim Storage Cask being transported

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 January 2004.

NOTABLE ACCOMPLISHMENTS

Fuel Offload: Fuel offload activities continue to support the disassembly of fuel assembly MFF-1 in the Interim Examination and Maintenance (IEM) Cell, and resumption of fuel washing activities in August 2004 when new Interim Storage Casks (ISCs) are scheduled to arrive on site. MFF-1 was delivered to the IEM Cell where it was washed in the Sodium Removal System (SRS). It will be staged for disassembly once all equipment has been verified as operational and a review for readiness has been completed. Fourteen fuel assemblies have been transferred into the IEM Cell, washed in the SRS, and loaded into two Core Component Containers awaiting ISC delivery.

Interim Decay Storage: Another preparatory activity for the upcoming fuel offload requires lowering the Interim Decay Storage (IDS) vessel level. An engineering analysis of machine reliability identified the need to keep the fuel handling machine grapples out of the sodium or the grapple will become inoperable. Lowering the IDS vessel level allows a fuel offload machine to grapple and remove a fuel element without dipping the grapple into the sodium. Lowering the vessel level involves heating-associated drain lines, designing special tooling, repairing failed heaters, and completing component transfers prior to the actual drain.

Sodium (NaK) Flush of In-Containment NaK Loops: All valves required for the NaK loop flush have had their pneumatic operators re-enabled. Work to connect inert gas/vacuum equipment required for fill and drain of the IDS NaK loop is in progress.

Primary Heat Transport System: Field work to reconnect the high-point gas vents on the primary heat transport system was completed. These vents were disconnected following sodium fill, and will be used during the drain of the primary sodium loops later this year. Inspection and repair of the primary drain system trace heat is in progress.

Reactor Vessel Drain Pump: Final machining and inspection of the reactor vessel drain pump, which is required to remove non-drainable sodium from the bottom of the reactor vessel, is nearing completion. The pump will be shipped to FFTF during February and then be fabricated into an assembly for insertion into the reactor vessel.

FY 2004 FH FUNDS VS FORECAST (\$000)

	FY 2004 Anticipated Funding w/Carryover	FY 2004 Fiscal Year Spend Forecast	Variance
Nuclear Facility D&D, FFTF Project	\$ 43,996	\$ 43,112	\$ 884

The forecast is based on reduced scope documented in a baseline change request under review with RL. The variance is the result of managing expenditures in the surveillance and maintenance area.

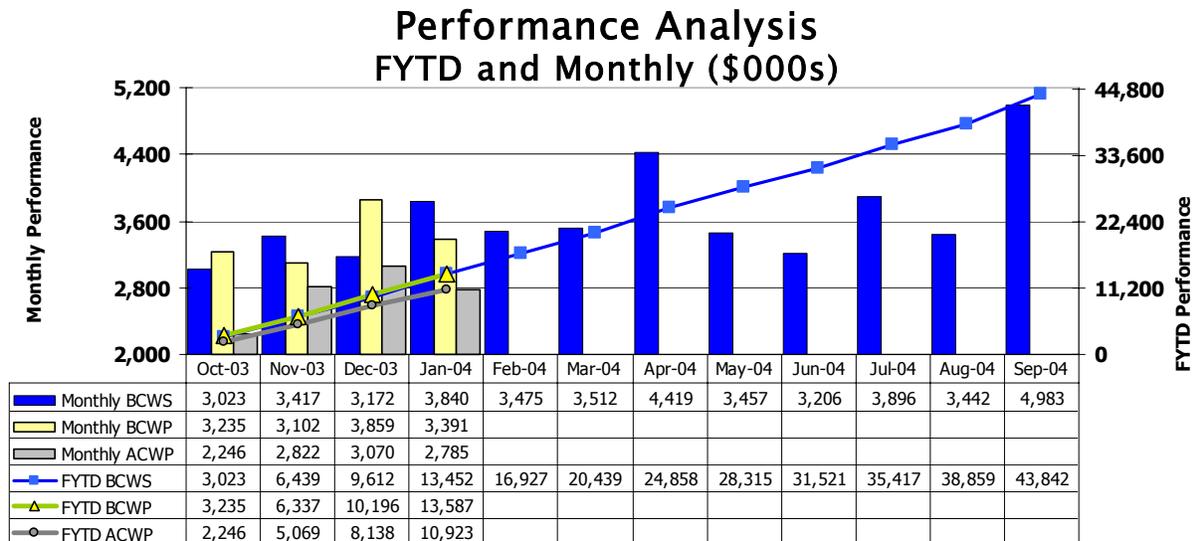
FY 2004 SCHEDULE/COST PERFORMANCE (\$000)

	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	13,452	13,587	10,923	135	1%	2,664	20%	43,842

NOTE: Numbers are rounded to the nearest \$K.

Schedule Performance (+\$135K/1%): The schedule variance is within the established threshold.

Cost Variance Analysis (+\$2,664K/20%): The cost variance is primarily due to controlled spending in the surveillance and maintenance area, and early completion of the fuel offload Performance Incentive six weeks ahead of schedule. The scope is being evaluated for potential acceleration of other deactivation activities.



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