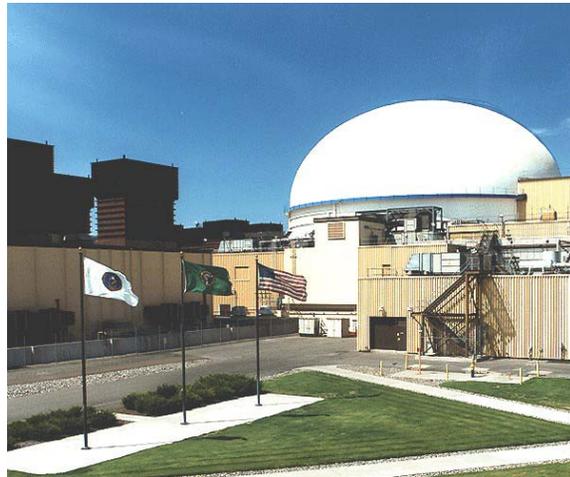


Nuclear Facility Deactivation and Decommissioning (D&D), Fast Flux Test Facility (FFTF) Project (RL-0042)

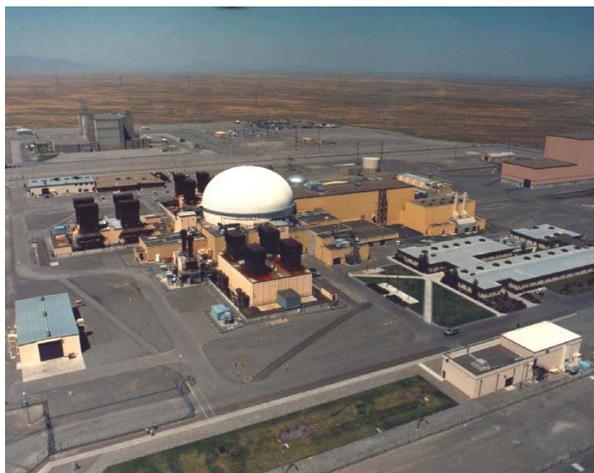
**D. B. Klos, FFTF Project Director/
(509) 376-5457**



Loading Interim Storage Cask for Transport



Fast Flux Test Facility (FFTF)



Arial View of the 400 Area

Overview

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

NOTE: Unless otherwise noted, all information contained herein is as of the end of June 2004.

Notable Accomplishments

Fuel Offload: The trans-load of five Core Component Containers from Interim Storage Casks (ISCs) to Interim Storage Vaults at the Plutonium Finishing Plant was completed in June. The return shipment of five empty ISCs to FFTF will begin in July.

Interim Storage: Transfer of two additional loaded ISCs from the 400-Area Interim Storage Area (ISA) to the 200-Area ISA at the Canister Storage Building has been completed. To date 7 of 22 ISCs have been moved to the 200-Area ISA.

Sodium Flush of In-Containment Sodium-Potassium (NaK) Loops: Preparations for sodium flush of the two in-containment NaK loops are nearing completion. Mechanical installation of the primary cold trap and Interim Decay Storage NaK loop cross-connects is complete, the loops have been refilled, and the electro-magnetic pumps returned to operation.

Fuel Storage Facility (FSF) NaK Drain: Drain and transfer of the FSF NaK into the storage vessel sodium was successfully completed. Approximately 60 gallons of NaK were removed from the loop low point (in-vessel cooler) via insertion of a flexible hose. Approximately 360 gallons of NaK were transferred from the NaK storage tank into the FSF sodium.

Primary Sodium Drain: Preparations are complete for draining the primary Heat Transport System sodium loops and lowering the reactor vessel sodium level (Phase 1 of primary sodium drain).

Interim Examination and Maintenance (IEM) Cell: All preparatory work was accomplished and the Readiness Checklist completed to begin processing MFF-1. The duct was cut and removed from the assembly, and pin consolidation activities have been completed. Pin processing is scheduled to begin in July.

FY 2004 FH Funds vs. Spend Forecast (\$000)

	FY 2004 Anticipated Funding w/Carryover	FY 2004 Fiscal Year Spend Forecast	Variance
Nuclear Facility D&D, FFTF Project	\$ 42,213	\$ 41,795	\$ 418

The FY 2004 Anticipated Funding and fiscal year spend forecast are based on the scope in the RL Baseline Update Guidance.

FY 2004 Schedule/Cost Performance (\$000)

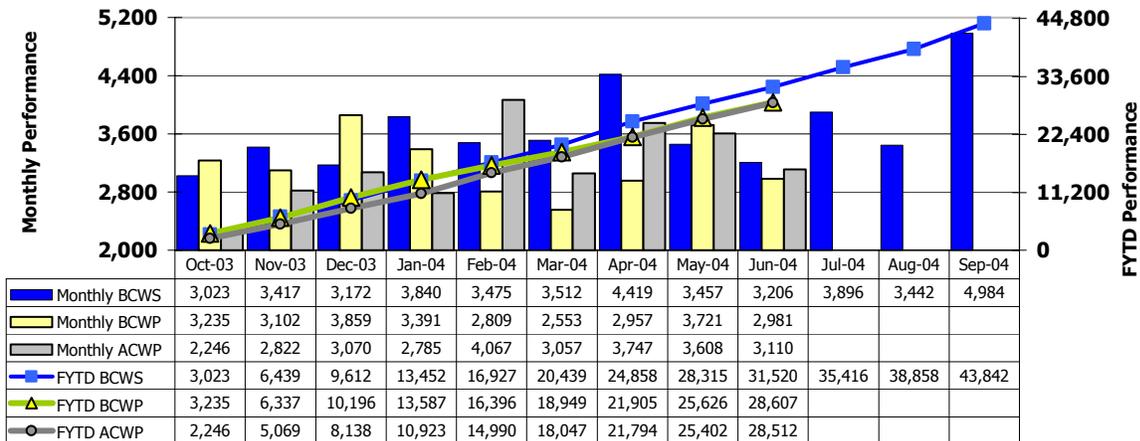
	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance \$	Schedule Variance %	Cost Variance \$	Cost Variance %	Budget At Completion
Nuclear Facility D&D, FFTF Project	31,520	28,607	28,512	-2,914	-9%	95	0%	43,842

Numbers are rounded to the nearest \$K.

Schedule Performance (-\$2,914K/-9%): The unfavorable schedule progress is due to less-critical maintenance activities being deferred to allow resources to be applied to deactivation activities. Other significant contributors include suspension of Radial Reflector Shipping Container procurement, reduction in budgeted fee (which will be corrected in the baseline adjustment submittal), and timing of the interim storage cask procurement contract.

Cost Variance (+\$95K/0%): The favorable cost variance is within the established threshold.

Performance Analysis FYTD and Monthly (\$000s)



Milestone Achievement

Number	Milestone Title	(TPA / DNSFB / PI)	Due Date	Actual Date	Forecast Date	Status/ Comments
RL42-1a1	Complete removal of 81 fuel assemblies.	PI	1/22/04	12/11/03		Complete
RL42-1a2	Complete loading and transferring five additional Interim Storage Casks (ISCs)	PI	8/31/04		8/31/04	In progress
RL42-1a3	Complete loading and transferring ten additional Interim Storage Casks (ISCs)	PI	3/31/05		3/31/05	On schedule
RL42-1a4	Complete disassembly of fuel assembly MFF-1 and loading of fuel pins into Ident 69 pin containers.	PI	7/31/04		7/15/04	In progress
RL42-1b	Perform additional risk reduction at the FFTF by completing selected reactor sodium and sodium-potassium alloy drain activities.	PI	Prior to FFTF contract transition		9/30/04	In progress
RL42-1c	Drain Secondary Sodium	PI	5/31/03	4/16/03		Complete