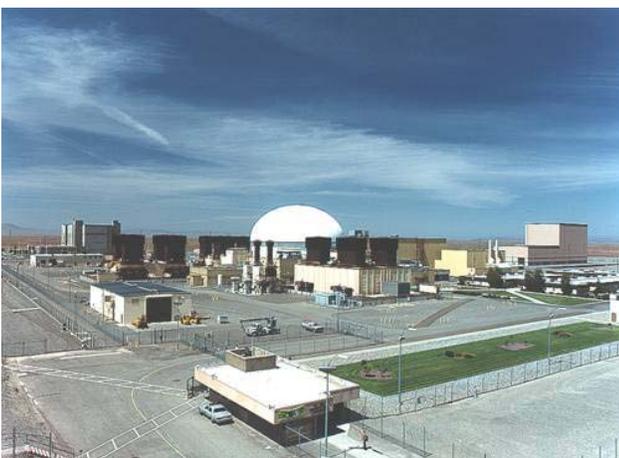


Fast Flux Test Facility (FFTF) Project (RL-0042)

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FFTF Closure/(509) 376-0604**



Sodium Storage Facility



Aerial View of the 400 Area



Fast Flux Test Facility (FFTF)

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 September 2004.

Top FY 2004 Accomplishments

Interim Storage Cask (ISC) Transfers: Twenty-two loaded ISCs were transferred from the 400 Area Interim Storage Area (ISA) to the 200 Area ISA at the Canister Storage Building. This activity was completed eight days ahead of schedule.

Fuel Offload: Five recycled ISCs were filled with washed fuel assemblies and shipped to the 200 Area ISA. This activity was completed 11 days ahead of schedule.

Fuel Handling: The movement of fifty-seven fuel assemblies from the Fuel Storage Facility to the Interim Decay Storage vessel was completed.

Interim Examination and Maintenance Cell: The disassembly of fuel assembly MFF-1 and loading of the fuel pins into Ident 69 pin containers and pin baskets was completed on July 9, 2004 (22 days ahead of schedule).

Sodium Flush of In-Containment Sodium-Potassium (NaK) Loops: Sodium flush of the two in-containment NaK loops was completed on July 14, 2004. The loops were then drained. The remaining frozen sodium residuals will be maintained under an inert gas blanket until removal later in the project.

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's low point (in-vessel cooler) by inserting a flexible hose. Subsequent testing confirmed that a flow path had been created, thus the loop is now in a condition that will allow safe and efficient cleaning of the residuals.

Primary Sodium Drain: Phase 1 of primary sodium drain was completed on August 18, 2004. Over a period of ten days, the reactor vessel sodium level was reduced 16-1/2 feet, the three Heat Transport System loops were drained, and 74,900 gallons of sodium were transferred to the Sodium Storage Facility.

Notable September Accomplishments

ISC Transfers: The final six loaded ISCs have been transferred from the 400 Area ISA to the 200 Area ISA at the Canister Storage Building. This activity was completed eight days ahead of schedule.

Fuel Offload: Two core component containers have been filled with washed fuel assemblies and are staged in the interim examination and maintenance cell in preparation for the arrival of new interim storage casks.

Maintenance Outage: A small maintenance outage is being performed on refueling equipment to enhance reliability when fuel offload resumes.

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

	FY 2004 Anticipated Funding w/Carryover	FY 2004 Fiscal Year Spend Forecast	Variance
Nuclear Facility D&D, FFTF Project	\$ 42.5	\$ 40.3	\$ 2.2

FY 2004 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
Nuclear Facility D&D, FFTF Project	\$41.8	\$39.5	\$40.3	-\$2.3	-5.6%	-\$0.8	-2.0%	\$41.8

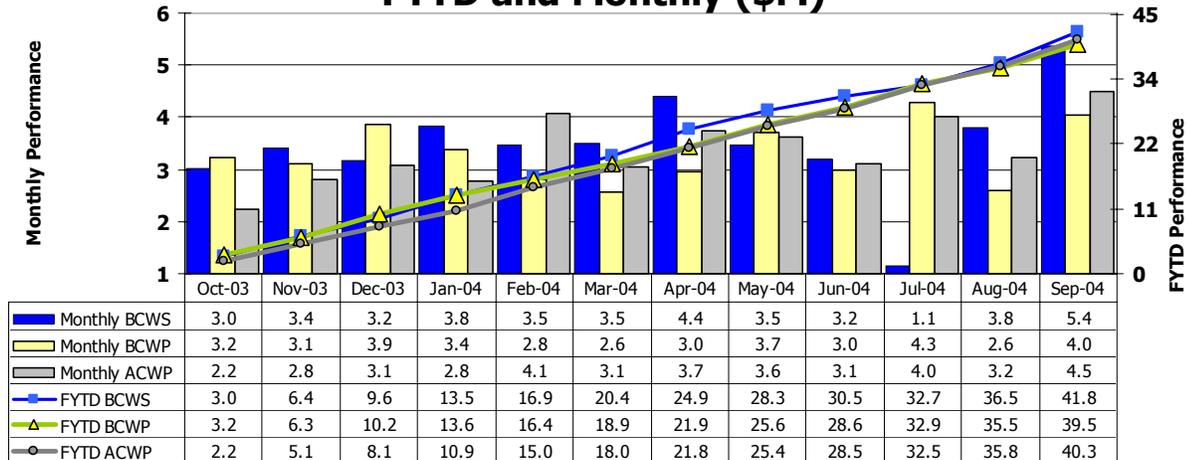
Numbers are rounded to the nearest \$M.

Schedule Performance (-\$2.3M/-5.6%): The schedule progress is due to fuel offload cask delivery delays, test assembly PO-4 processing preparation delays, and delays in the FFTF contract transition.

Cost Performance (-\$0.8M/-2.0%): The cost variance is within the established threshold.

FY 2004 Schedule/Cost Performance (Continued)

Performance Analysis FYTD and Monthly (\$M)



Milestone Achievement

Number	Milestone Title	Type	Due Date	Actual Date	Forecast Date	Status/Comments
RL42-1a4	Complete disassembly of fuel assembly MFF-1 and loading of fuel pins into Ident 69 pin containers	PI	7/31/04	7/9/04		Complete
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	8/18/04		Complete
RL42-1a2	Complete loading and transferring five additional ISCs	PI	8/31/04	8/20/04		Complete
RL42-1a3	Complete loading and transferring ten additional ISCs	PI	3/31/05		3/31/05	On Schedule