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

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Fuel Storage Facility NaK cleaning equipment

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 May 2006.

Notable Accomplishments

Interim Decay Storage (IDS) Sodium Drain: Preparations for draining the last of the FFTF bulk sodium, contained in the IDS vessel and associated auxiliary systems, continue. Near term focus is on performing the setup of equipment for removing and storing the core component pots (CCPs). The "transfer container" has been installed in the head compartment and fabrication of the CCP processing (severing) station is complete. The processing station will be moved to containment, after additional training of the personnel who will operate it. Cool down testing of a CCP in the closed loop ex-vessel machine (CLEM) was completed, and confirmed the results of earlier analyses. Due to the slow cool down, we are considering placing the CCPs into the transfer container while still molten.

Fuel Storage Facility (FSF) Sodium Chloride (NaK) Loop Cleaning: Cleaning of residuals from the FSF NaK cooling system is complete. The bulk NaK drained from the In-Vessel NaK Cooler last fall was reacted and minor amounts of residual NaK in the argon system and miscellaneous small pieces of equipment removed from the systems were cleaned. The systems have been flushed with water to remove the caustic and then dried. Dismantling of the contractor's equipment has begun.

FY 2006 Funds vs. Spend Forecast ($M)

	Projected FY 2006 Funding	FY 2006 Fiscal Year Spend Forecast	Variance
FFTF Project	$ 47.0	$ 37.9	$ 9.1

FY 2006 Schedule/Cost Performance ($M)

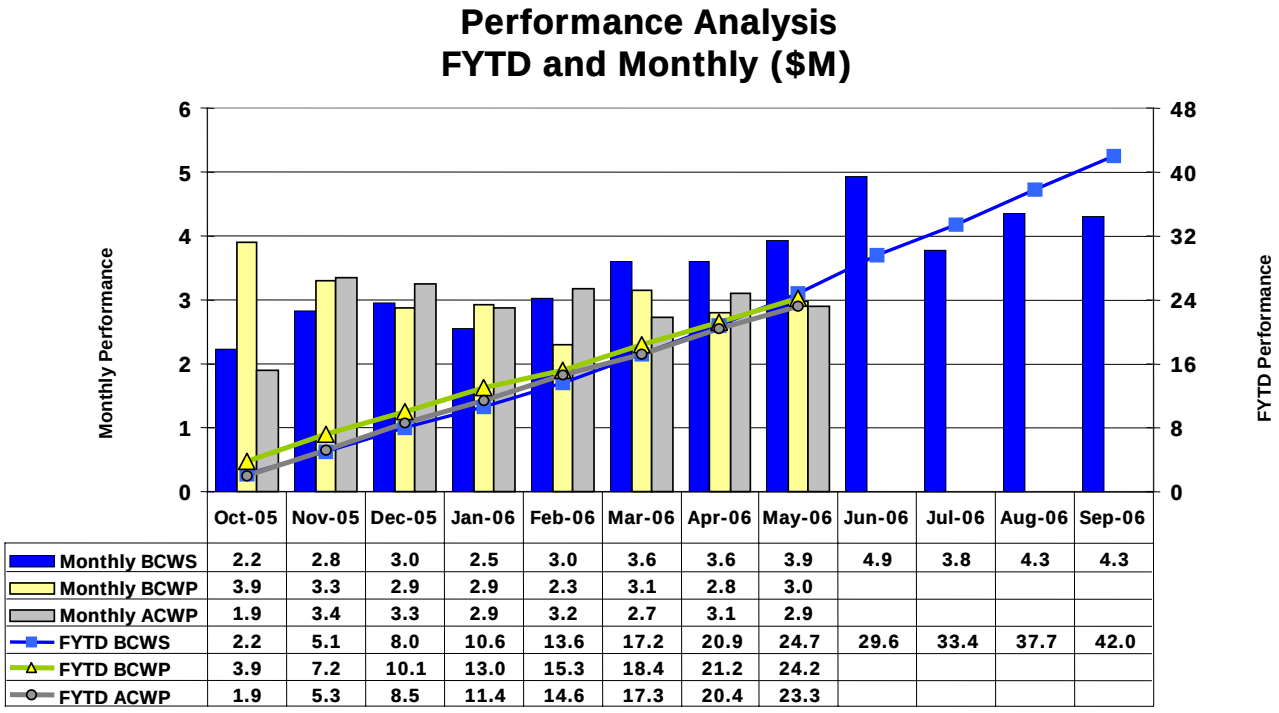
	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance $	Schedule Variance %	Cost Variance $	Cost Variance %	Budget At Completion
FFTF Project	$24.7	$24.2	$23.3	-$0.5	-2.0%	$0.9	3.8%	$42.0

Numbers are rounded to the nearest $0.1M.

Schedule Performance (-$0.5M/-2.0%): Fiscal year to date schedule performance is primarily due to the progress on fuel offload activities, offset by delays in FSF NaK cleaning.

Cost Performance (+$0.9M/+3.8%): Fiscal year to date cost performance is primarily due to progress on fuel offload and the cost effective solution for the IDS vessel heat source.

FY 2006 Schedule/Cost Performance ($M), continued



	Oct-05	Nov-05	Dec-05	Jan-06	Feb-06	Mar-06	Apr-06	May-06	Jun-06	Jul-06	Aug-06	Sep-06
Monthly BCWS	2.2	2.8	3.0	2.5	3.0	3.6	3.6	3.9	4.9	3.8	4.3	4.3
Monthly BCWP	3.9	3.3	2.9	2.9	2.3	3.1	2.8	3.0				
Monthly ACWP	1.9	3.4	3.3	2.9	3.2	2.7	3.1	2.9				
FYTD BCWS	2.2	5.1	8.0	10.6	13.6	17.2	20.9	24.7	29.6	33.4	37.7	42.0
FYTD BCWP	3.9	7.2	10.1	13.0	15.3	18.4	21.2	24.2				
FYTD ACWP	1.9	5.3	8.5	11.4	14.6	17.3	20.4	23.3				

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	PI	3/31/2005	8/9/2005		Complete
M-81-13 (BM-81-13)	Complete reactor & HTS sodium drain	TPA	6/30/2005	6/21/2005		Complete
M-81-11 (BM-81-11)	Submit FFTF end point criteria document	TPA	8/31/2005	7/7/2005		Complete
RL 42A-1b	Complete FFTF sodium drain from the reactor vessel and the Fuel Storage Facility vessel	PI	9/30/2005	9/1/2005		Complete
RL 42A-1a1	Process fuel assemblies PO-4, SRF-3, & SRF-4, which require disassembly	PI	11/30/2005	11/9/2005		Complete
RL 42A-1a3	Complete loading of six additional Interim Storage Casks and place in the 400 Area Interim Storage Area	PI	11/30/2005	9/27/2005		Complete
RL 42A-1a2	Process fuel assembly ACN-1, which requires disassembly	PI	3/31/2006	3/14/2006		Complete
RL 42A-1a4	Complete loading of three additional Interim Storage Casks and place in the 400 Area Interim Storage Area	PI	3/31/2006	3/30/2006		Complete
RL-Composite -10	Complete FFTF IDS sodium drain	PI	9/30/2006		9/30/2006	On schedule