



Section E

Advanced Reactors Transition

PROJECT MANAGERS

O.A. Farabee, RL
(509) 376-8089

D.B. Klos, FH
(509) 373-3574

SUMMARY

The Advanced Reactors Transition (ART) Program, WBS 1.12.1, PBS RL-TP11, consists of the Nuclear Energy (NE) Legacies and the 309 Building/Plutonium Recycle Test Reactor (PRTR) activities.

NOTE: Cost/Schedule data contained herein is as of April 30, 2001. All other information is as of May 26, 2001 unless otherwise noted.

Fiscal-year-to-date milestone performance (EA, DOE-HQ, and RL) shows that one milestone (100 percent) is overdue.

NOTABLE ACCOMPLISHMENTS

Surveillance and maintenance activities continued on the 309 Building and NE Legacies. 309 Building Fuel Transfer Pit Clean-out work included draining the water from the pit through the drain line opening into C-Cell at the -32 foot level. The 337B Building quarterly lock and tag audit was completed this month. The quantity of tags has been reduced by approximately 80 percent based on implementing an operating procedure for the inert gas system. The 337B Highbay Building Asbestos Assessment Plan, HNF-8111, was approved and released this reporting period. This plan is designed to meet requirements of the Occupational Safety and Health Administration General Industry Standard 1910.1001 and HNF-PRO-408, *Asbestos – Facility Management/General Industry*. The work instruction and engineering change notice for disconnecting the electrical trace heat power, heaters, control system, insulation and instrumentation wiring from the piping in the sodium purification room has been approved. The Automated Job Hazard Analysis for this work has been completed and craft work has commenced. Activities in the 337B building were reviewed by the Facilities Evaluation Board (FEB) during their review of FFTF. The activities were rated as "green" as part of the FFTF rating. Several items requiring attention were presented in the FEB report, most regarding administrative items rather than deficiencies in safety or conduct of operations. Many of the items have already been corrected, and the rest have a path forward to closure well defined.

SAFETY

Safety data for ART is included in other project reports.

ISMS STATUS

Green

The project continues to work on improvement initiatives that resulted from the ISMS Phase II readiness review. These initiatives include improving the Automated Job Hazard Analysis (AJHA) process and worker involvement in work documentation preparation.

CONDUCT OF OPERATIONS

Conduct of operations data for ART is included in a separate FFTF report.

BREAKTHROUGHS / OPPORTUNITIES FOR IMPROVEMENT

No breakthroughs or opportunities for improvement are identified at this time.

UPCOMING ACTIVITIES

- Update the 335 and 337B High Bay Building Administrative Manuals, July 31, 2001.
- Stabilize the 309 Building / PRTR Fuel Transfer Pit, August 20, 2001.

MILESTONE ACHIEVEMENT

MILESTONE TYPE	FISCAL YEAR-TO-DATE				REMAINING SCHEDULED			TOTAL FY 2001
	Completed Early	Completed On Schedule	Completed Late	Overdue	Forecast Early	Forecast On Schedule	Forecast Late	
Enforceable Agreement	0	0	0	0	0	0	0	0
DOE-HQ	0	0	0	0	0	0	0	0
RL	0	0	0	1	0	0	0	1
Total Project	0	0	0	1	0	0	0	1

MILESTONE EXCEPTION REPORT

<u>Number/WBS</u>	<u>Level</u>	<u>Milestone Title</u>	<u>Baseline Date</u>	<u>Forecast Date</u>
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Overdue – 1

B79-99-900	RL	Stabilize the PRTR Fuel Transfer Pit	4/20/01	8/20/01
1.12.1.2.2.5				

Cause: On January 28, 2001, the Fuel Transfer Pit plug was removed and initial contamination levels were measured at 150,000 dpm per 100 square centimeters, exceeding the radiation work permit limit and halting work. This work required direct oversight by the Health Physicist. Because the Health Physicist and other resources were engaged in the shipment of uranium from the 300 Area to Portsmouth, Ohio during the next several months, the completion of this work had to be rescheduled around those activities.

Impact: None.

Corrective Action: A Baseline Change Request (ART-2001-003) has been submitted to defer the workscope and the associated milestone. The BCR was approved on May 3, 2001 that rescheduled the milestone to August 20.

FORECAST LATE – 0

PERFORMANCE OBJECTIVES

Nothing to report at this time.

FY 2001 SCHEDULE / COST PERFORMANCE – ALL FUND TYPES CUMULATIVE TO DATE STATUS – (\$000)

Green

By PBS		FYTD									
		BCWS	BCWP	ACWP	SV	%	CV	%	PEM	EAC	
PBS TP11 WBS 1.12	Advanced Reactors Transition	\$ 1,001	\$ 868	\$ 644	\$ (133)	-13%	\$ 223	26%	\$ 1,905	\$ 1,905	
Total		\$ 1,001	\$ 868	\$ 644	\$ (133)	-13%	\$ 223	26%	\$ 1,905	\$ 1,905	

Authorized baseline as per the Integrated Planning Accountability, and Budget System (IPABS) – Project Execution Module (PEM).

FY TO DATE SCHEDULE / COST PERFORMANCE

The \$0.1 million (13 percent) unfavorable schedule variance was due to PRTR Fuel Transfer Pit Stabilization activities being delayed due to work approval and fieldwork taking longer than anticipated.

The \$0.2 million (26 percent) favorable cost variance was due to lower than anticipated corrective maintenance costs and effective cost performance in NE Legacies.

For all active sub-PBSs and TTPs associated with the Operations/Field Office, Fiscal Year to Date (FYTD) Cost and Schedule variances exceeding + / - 10 percent or one million dollars require submission of narratives to explain the variance.

Schedule Variance Analysis: (-\$0.1M)

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Description and Cause: The unfavorable schedule variance was primarily due to the longer than anticipated work approval and field work complications for the 309 Building / PRTR Fuel Transfer Pit cleanout.

Impact: The completion of this work may be further impacted by resource availability.

Corrective Action: Schedule recovery is being managed in conjunction with resource availability.

Cost Variance Analysis: (+\$0.2M)

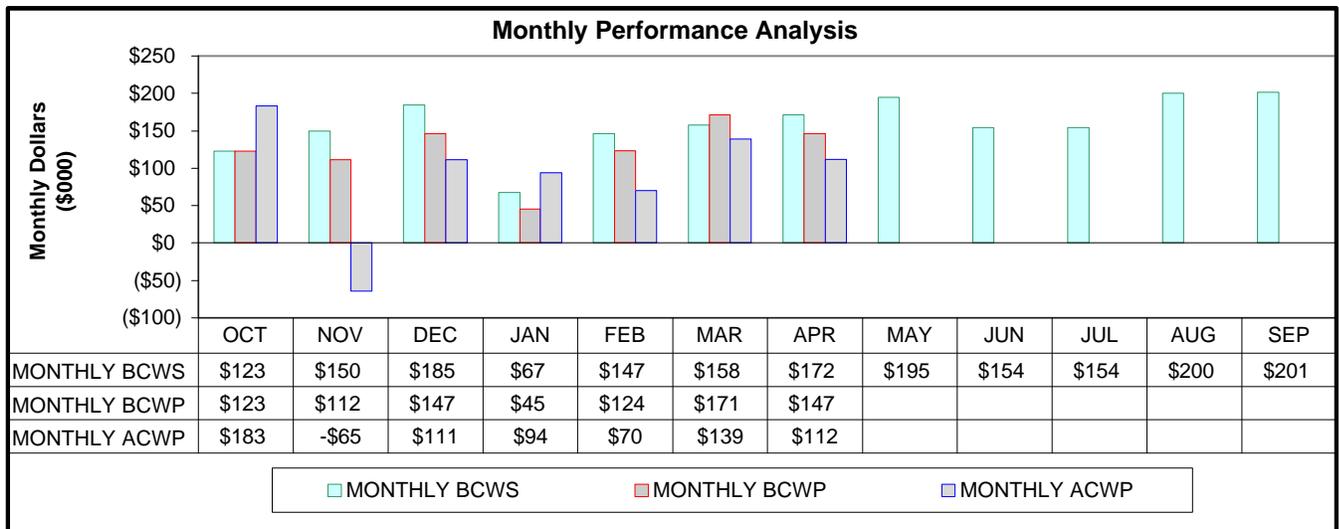
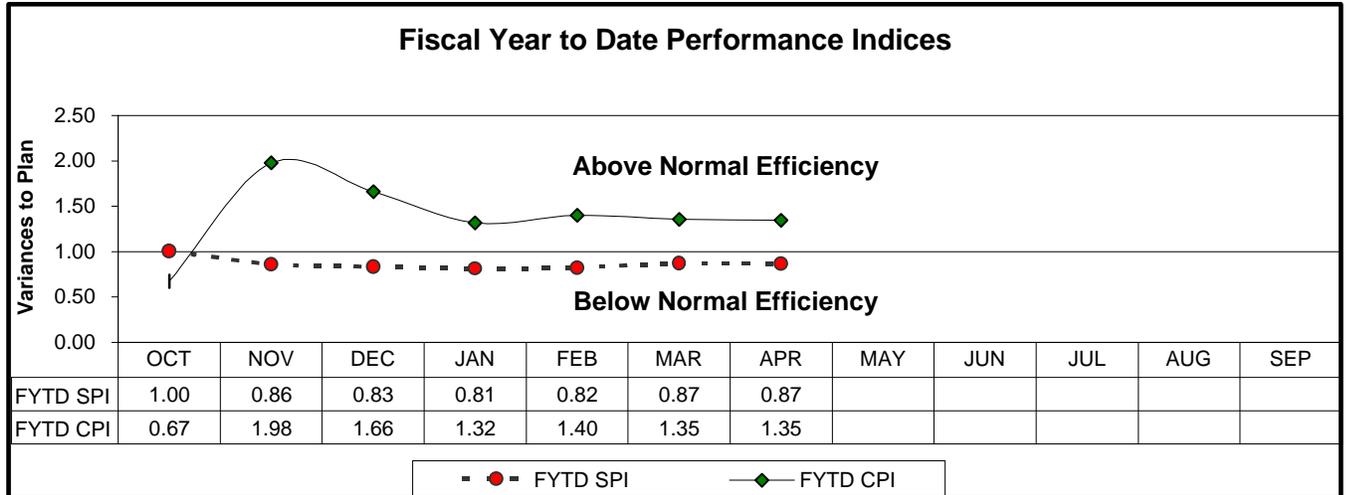
Advanced Reactors Transition – 1.12.1/TP11

Description and Cause: The favorable cost variance was primarily due to lower than anticipated corrective maintenance costs and effective cost performance in NE Legacies.

Impact: There is no project impact at this time.

Corrective Action: None required; the variance will continue to be monitored.

COST / SCHEDULE PERFORMANCE (MONTHLY AND FYTD)



FUNDS MANAGEMENT FUNDS VS SPENDING FORECAST (\$000)

	Project Completion *			Post 2006 *			Line Items *		
	Funds	Actual Cost	Variance	Funds	FYSF	Variance	Funds	Actual Cost	Variance
The River									
1.12 Advanced Reactors (EM)				\$ 3,483	\$ 3,183	\$ 300			
Total Advanced Reactors Operating				\$ 3,483	\$ 3,183	\$ 300			
Total Advanced Reactors Line Item									

* Control Point

ISSUES

Technical, Regulatory, External, and Doe Issues and DOE Requests

Issue: Nothing to report at this time.

Impacts: None.

Corrective Action: None at this time.

BASELINE CHANGE REQUESTS CURRENTLY IN PROCESS (\$000)

PROJECT CHANGE NUMBER	DATE ORIGIN.	BCR TITLE	FY01 COST IMPACT \$000	S	T	DATE TO CCB	CCB APR'VD	RL APR'VD	CURRENT STATUS
ART-2001-002	12/15/2000	MYWP Phase 2 - FY 2002 and Out Years	-0-	X	X				Draft
ART-2001-003	03/06/2001	Delay RL Milestone B79-99-900, "Stabilize the PRTR Fuel Transfer Pit"	-0-	X		03/28/2001	04/11/2001	05/03/2001	Approved
ADVANCE WORK AUTHORIZATIONS									
		Nothing to report at this time.							

KEY INTEGRATION ACTIVITIES

Nothing to report at this time.