Section E

Advanced Reactors Transition

PROJECT MANAGERS

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

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

DOE/RL-99-83, Rev. 6
G00060066.E

SUMMARY

The Advanced Reactors Transition (ART) Program, WBS 1.12.1.1, PBS RL-TP11, consists of the 309 Building and the Nuclear Energy (NE) Legacies activities.

NOTE: Unless otherwise noted, Cost/Schedule data contained herein is as of May 31, 2000. All other information is as of June 16, 2000, unless otherwise noted.

In May the ART mission area technical accomplishments included continued surveillance and maintenance activities on the 309 Building and NE Legacy facilities. Several hundred gallons of high pH solution produced during the T-Plant tank sodium residue removal operation were trucked to the Treated Effluent Disposal Facility. This action closes out the T-Plant tank residue removal operation. One of the clean tanks will be used in the NaK loop residue removal task and the other is available for scrap or recycle. Shop and field fabrication is underway for the piping and components required for the cleanup of the NaK residues in the cold trap cooling system in the 337 Building. These will be connected to the NaK system for draining the small amount of remaining bulk NaK and then reacting the remaining residue with water vapor-nitrogen. In the 309 Building, deactivation activities included asbestos removal in the lower levels of the containment facility.

Fiscal-year-to-date milestone performance (EA, DOE-HQ, and RL) shows that there are no milestones due.

ACCOMPLISHMENTS

- Continued surveillance and maintenance activities on 309 Building and NE legacies.
- Closed out the sodium residue removal operation for the T-Plant tank.
- Continued shop and field fabrication for the piping and components required for the cleanup of the NaK residue in the cold trap cooling system in the 337 Building.
- Continued the 309 Building deactivation progress with cleaning of asbestos in the lower levels of the containment facility.

SAFETY

Safety data for ART is included in a separate FFTF report.

CONDUCT OF OPERATIONS / ISMS STATUS

CONDUCT OF OPERATIONS

Conduct of operations data for ART is included in a separate Fast Flux Test Facility (FFTF) report.

ISMS STATUS

Preparations continued for the ISMS Readiness Assessment Phase II that started on June 26, 2000.

BREAKTHROUGHS / OPPORTUNITIES FOR IMPROVEMENT

No breakthroughs or opportunities for improvement have been identified at this time.

UPCOMING ACTIVITIES

- Proceed with cleaning of the sodium potassium (NaK) residuals from the 337B Building cold trap cooling loop.
- Initiate Fuel Transfer Pit cleanout in the 309 Building/PRTR facility.

COST PERFORMANCE ($M):

	BCWP	ACWP	VARIANCE
Advanced Reactors Transition	$1.0	$0.9	+$0.1

The favorable $0.1M (10 percent) cost variance is due to no significant corrective maintenance activities required.

SCHEDULE PERFORMANCE ($M):

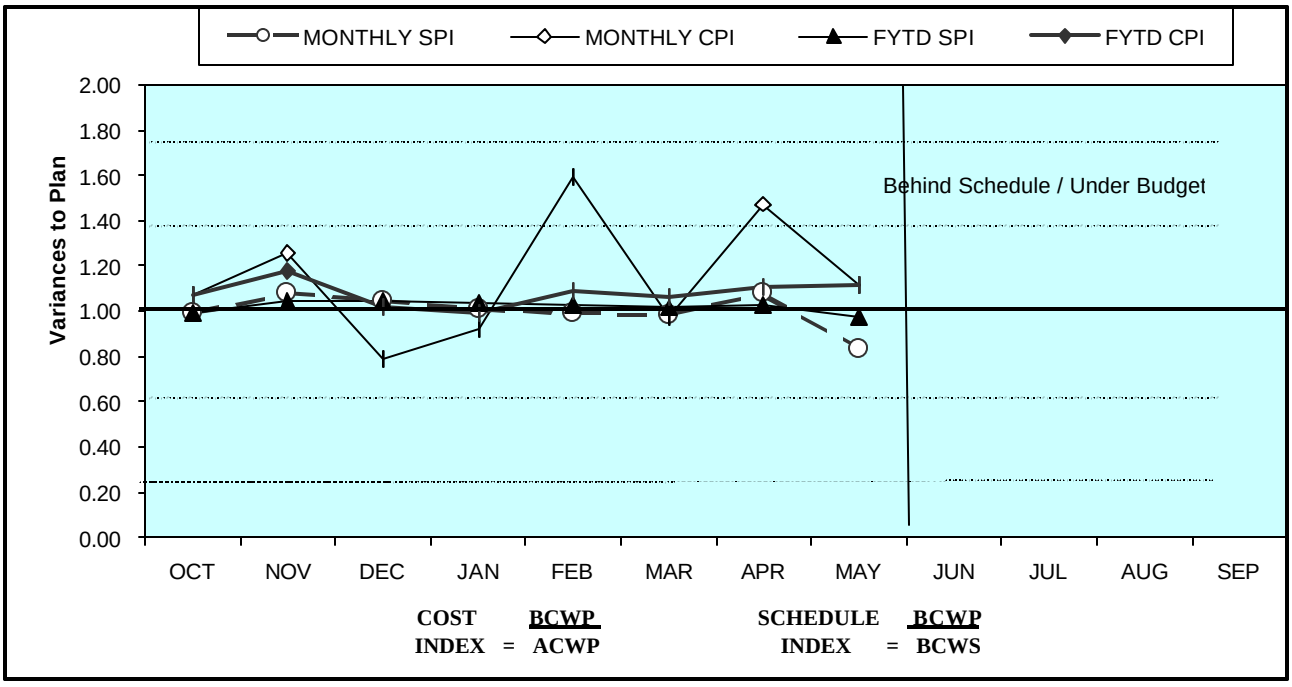
	BCWP	BCWS	VARIANCE
Advanced Reactors Transition	$1.0	$1.0	$0.0

The 3 percent schedule variance is insignificant.

FY 2000 Cost/Schedule Performance – All Fund Types Cumulative to Date Status – ($000)

	By PBS	FYTD BCWS	FYTD BCWP	FYTD ACWP	FYTD SV	FYTD %	FYTD CV	FYTD %	PEM	FYSF	EAC
PBS TP11 WBS 1.12	Advanced Reactors Transition	$ 997	$ 972	$ 875	$ (24)	-2%	$ 98	10%	$ 1,673	$ 1,105	$ 1,318
	Total	$ 997	$ 972	$ 875	$ (24)	-2%	$ 98	10%	$ 1,673	$ 1,105	$ 1,318

Cost/Schedule Performance Indices (Monthly and FYTD)



FY 2000	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MONTHLY SPI	0.99	1.08	1.05	1.01	0.99	0.98	1.08	0.83				
MONTHLY CPI	1.07	1.26	0.79	0.92	1.59	0.97	1.47	1.12				
FYTD SPI	0.99	1.04	1.04	1.03	1.02	1.01	1.02	0.98				
FYTD CPI	1.07	1.18	1.02	0.99	1.09	1.06	1.11	1.11				
MONTHLY BCWS	$79	$113	$88	$93	$116	$139	$116	$254	$146	$144	$196	$191
MONTHLY BCWP	$78	$122	$92	$94	$115	$136	$125	$211				
MONTHLY ACWP	$73	$97	$117	$102	$72	$140	$85	$189				
FYTD BCWS	$79	$192	$280	$373	$489	$627	$743	$997	$1,143	$1,286	$1,483	$1,673
FYTD BCWP	$78	$200	$292	$386	$501	$637	$761	$972				
FYTD ACWP	$73	$170	$287	$389	$461	$601	$686	$875				

COST VARIANCE ANALYSIS: (+$0.1M)

WBS/PBS **Title**

1.12/TP11 **Advanced Reactors Transition**
Description and Cause: All surveillance and maintenance (S&M) resources were level loaded for the year. To date, no significant corrective maintenance activities have been required.
Impact: None.
Corrective Action: None.

SCHEDULE VARIANCE ANALYSIS: ($0.0M)

WBS/PBS **Title**

1.12/TP11 **Advanced Reactors Transition**
Description and Cause: None.
Impact: None.
Corrective Action: None.

ISSUES

There is nothing to report at this time.

BASELINE CHANGE REQUESTS CURRENTLY IN PROCESS

PROJECT CHANGE NUMBER	DATE ORIGIN	BCR TITLE	FY00 COST IMPACT $000	SCH	TECH	DATE TO CCB	CCB APP'VD	RL APP'VD	CURRENT STATUS
		Nothing to report.							
ADVANCE WORK AUTHORIZATIONS									
		Nothing to report.							

MILESTONE ACHIEVEMENT

Fiscal-year-to-date milestone performance (EA, DOE-HQ, and RL) shows that there are no milestones due.

Tri-Party Agreement / EA Milestones
Nothing to report.
DNFSB Commitments
Nothing to report.

Milestone Exception Report

Number/WBS	Level	Milestone Title	Baseline Date	Forecast Date

Overdue – 0

Forecast Late – 0

Performance Objectives

Nothing to report at this time.

Key Integration Activities

Nothing to report at this time.