



# 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 December 31, 2000. All other information is as of January 29, 2001 unless otherwise noted.

For the month of December, surveillance and maintenance activities continued on the 309 Building and NE legacies. Closure welds on the Thermal Transient Loop Cold Trap piping were made and inspected. These welds seal the piping and provide an all-welded stainless steel structure for the trap, which contains sodium and sodium oxide. The trap was then secured to a pallet in preparation for shipping it to an offsite treatment/disposal site.

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

## NOTABLE ACCOMPLISHMENTS

Surveillance and maintenance activities on 309 Building and NE Legacies continued.

Closure welds on the Thermal Transient Loop Cold Trap piping were made and inspected. These welds seal the piping and provide an all-welded stainless steel structure for the trap, which contains sodium and sodium oxide. The trap was then secured to a pallet in preparation for shipping it to an offsite treatment/disposal site.

## 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

- Ship Thermal Transient Loop cold trap offsite by March 30, 2001. (Date is dependent on receiving a Department of Transportation exemption on the shipping container.)
- Stabilize the 309 Building / PRTR Fuel Transfer Pit, April 20, 2001.

## MILESTONE ACHIEVEMENT

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

## MILESTONE EXCEPTION REPORT

<u>Number/WBS Level</u>	<u>Milestone Title</u>	<u>Baseline Date</u>	<u>Forecast Date</u>
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**Overdue – 0**

**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
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By PBS	FYTD									
	BCWS	BCWP	ACWP	SV	%	CV	%	PEM	EAC	
PBS TP11 WBS 1.12 Advanced Reactors Transition	\$ 457	\$ 381	\$ 230	\$ (76)	-17%	\$ 151	40%	\$ 1,485	\$ 1,485	
<b>Total</b>	<b>\$ 457</b>	<b>\$ 381</b>	<b>\$ 230</b>	<b>\$ (76)</b>	<b>-17%</b>	<b>\$ 151</b>	<b>40%</b>	<b>\$ 1,485</b>	<b>\$ 1,485</b>	

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 (17 percent) unfavorable schedule variance was primarily due to longer-than-anticipated work approval for the 309 Building / PRTR Fuel Transfer Pit clean out.

The \$0.2 million (40 percent) favorable cost variance was due to lower-than-anticipated surveillance and maintenance (S&M) costs in the 309 Bldg/PRTR and effective cost performance in the 337B controls and piping scope.

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)

#### Advanced Reactors Transition — 1.12.1/TP11

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

**Impact:** No significant impact.

**Corrective Action:** Work is expected to accelerate in January.

### Cost Variance Analysis: (+\$0.2M)

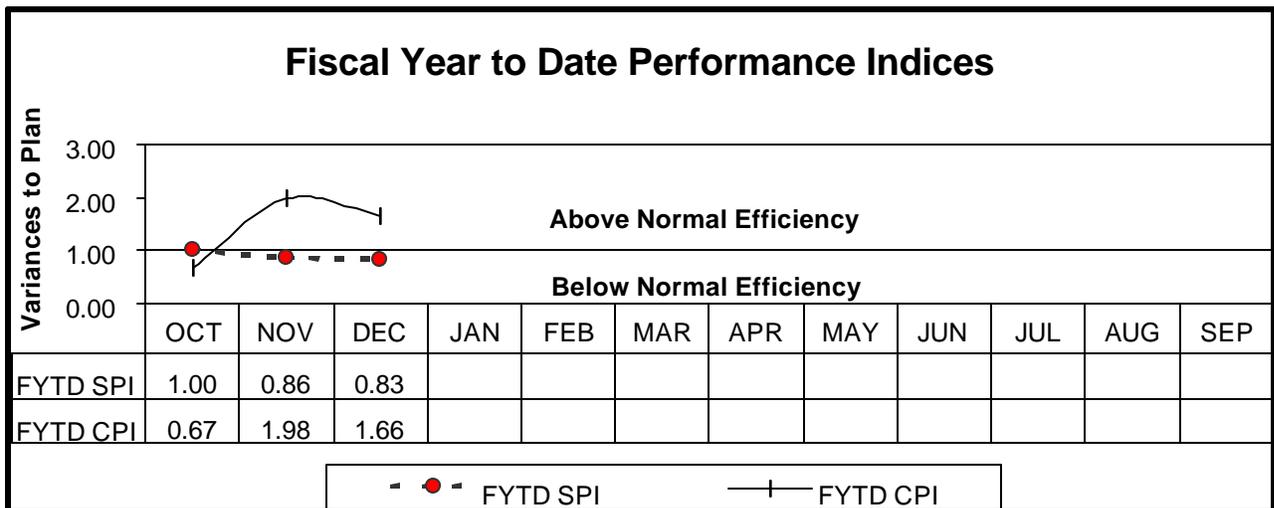
#### Advanced Reactors Transition — 1.12/TP11

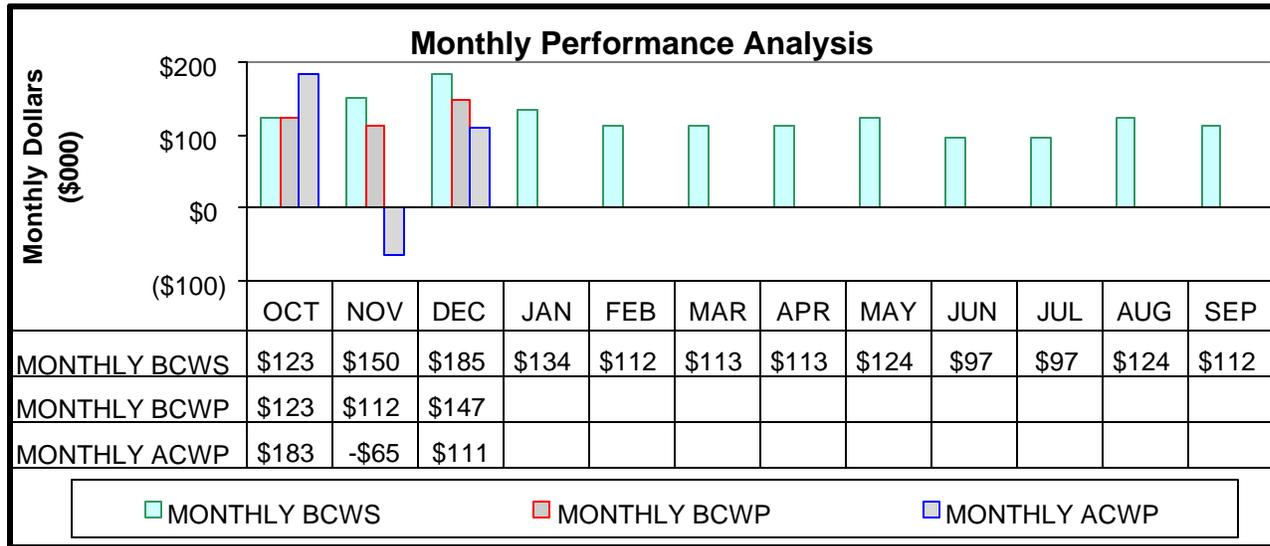
**Description and Cause:** The favorable cost variance was primarily due to lower-than-anticipated S&M costs in the 309 Bldg./PRTR and effective cost performance in the 337B controls and piping scope.

**Impact:** Resources will be available for other work.

**Corrective Action:** Additional scope will be implemented.

## SCHEDULE / COST PERFORMANCE (MONTHLY AND FYTD)





## FUNDS MANAGEMENT FUNDS VS SPENDING FORECAST (\$000) FY 2001 TO DATE

	Project Completion *			Post 2006 *			Line Items *		
	Funds	FYSF	Variance	Funds	FYSF	Variance	Funds	FYSF	Variance
1.12 <b>Advanced Reactors (EM)</b>				\$ 3,485	\$ 3,485	\$ -			
<b>Total Advanced Reactors Operating</b>				\$ 3,485	\$ 3,485	\$ -			
<b>Total Advanced Reactors Line Item</b>									

\* 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 APPROVD	PL APPROVD	CURRENT STATUS
ART-2000-001	11/17/00	Increase to Base Operations & Carryover Funding	409	X	X	11/27/00	Date not available	Date not available	Approved
<b>ADVANCE WORK AUTHORIZATIONS</b>									
		Nothing to report at this time.							

## KEY INTEGRATION ACTIVITIES

Nothing to report at this time.