



# Section E

## *Advanced Reactors Transition*

### **PROJECT MANAGERS**

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## **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 May 31, 2001. All other information is as of June 29, 2001 unless otherwise noted.

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

## **NOTABLE ACCOMPLISHMENTS**

Surveillance and maintenance activities continued on the 309 Building and NE Legacies. Application of radiological contamination fixative in the 309 facility was completed. Cleanout of the sludge on the fuel transfer pit floor was initiated. NE Legacies deactivation progress continued in the 337B sodium purification room with electrical disconnects and asbestos removal complete. Removal of trace heat controls, insulation, and thermocouples on the 337B sodium system is underway.

## **SAFETY**

Safety data for ART is included in other project reports.

**Green**

## **ISMS STATUS**

Work continued on improving the work process through enhanced training and planning efforts to improve work packages. These activities are part of the ISMS Sustain and Maintain Process.

## **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 by July 31, 2001.
- Stabilize the 309 Building / PRTR Fuel Transfer Pit by 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	0	0	1	0	1
<b>Total Project</b>	0	0	0	0	0	1	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 – 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)

By PBS	FYTD								PEM	EAC
	BCWS	BCWP	ACWP	SV	%	CV	%			
PBS TP11 WBS 1.12 Advanced Reactors Transition	\$ 1,187	\$ 1,027	\$ 776	\$ (160)	-13%	\$ 251	24%	\$ 1,905	\$ 1,905	
<b>Total</b>	<b>\$ 1,187</b>	<b>\$ 1,027</b>	<b>\$ 776</b>	<b>\$ (160)</b>	<b>-13%</b>	<b>\$ 251</b>	<b>24%</b>	<b>\$ 1,905</b>	<b>\$ 1,905</b>	

**Green**

Authorized baseline as per the Integrated Planning Accountability, and Budget System (IPABS) – Project Execution Module (PEM). ACWP reflects only cost in WBS 1.12. \$1.7M of cost in WBS 2.1.1.1.4.1 is not included as it is not ART cost.

## FY TO DATE SCHEDULE / COST PERFORMANCE

The \$0.2 million (13 percent) unfavorable schedule variance was due to additional planning time and fieldwork complications in the cleanout of the PRTR Fuel Transfer Pit.

The \$0.3 million (24 percent) favorable cost variance was due to lower than anticipated corrective maintenance costs in NE Legacies and the 309 Facility.

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: (-\$0.2M)

### Advanced Reactors Transition — 1.12.1/TP11

**Description and Cause:** Additional planning time and fieldwork complications caused delays in the cleanout of the Fuel Transfer Pit.

**Impact:** There is no direct adverse impact on the completion of planned work at the 309 Facility by the end of the fiscal year.

**Corrective Action:** The fuel transfer pit cleanout has been rescheduled to complete by August 20, 2001. The schedule variance will be carried until completion of this activity.

## Cost Variance Analysis: (\$0.3M)

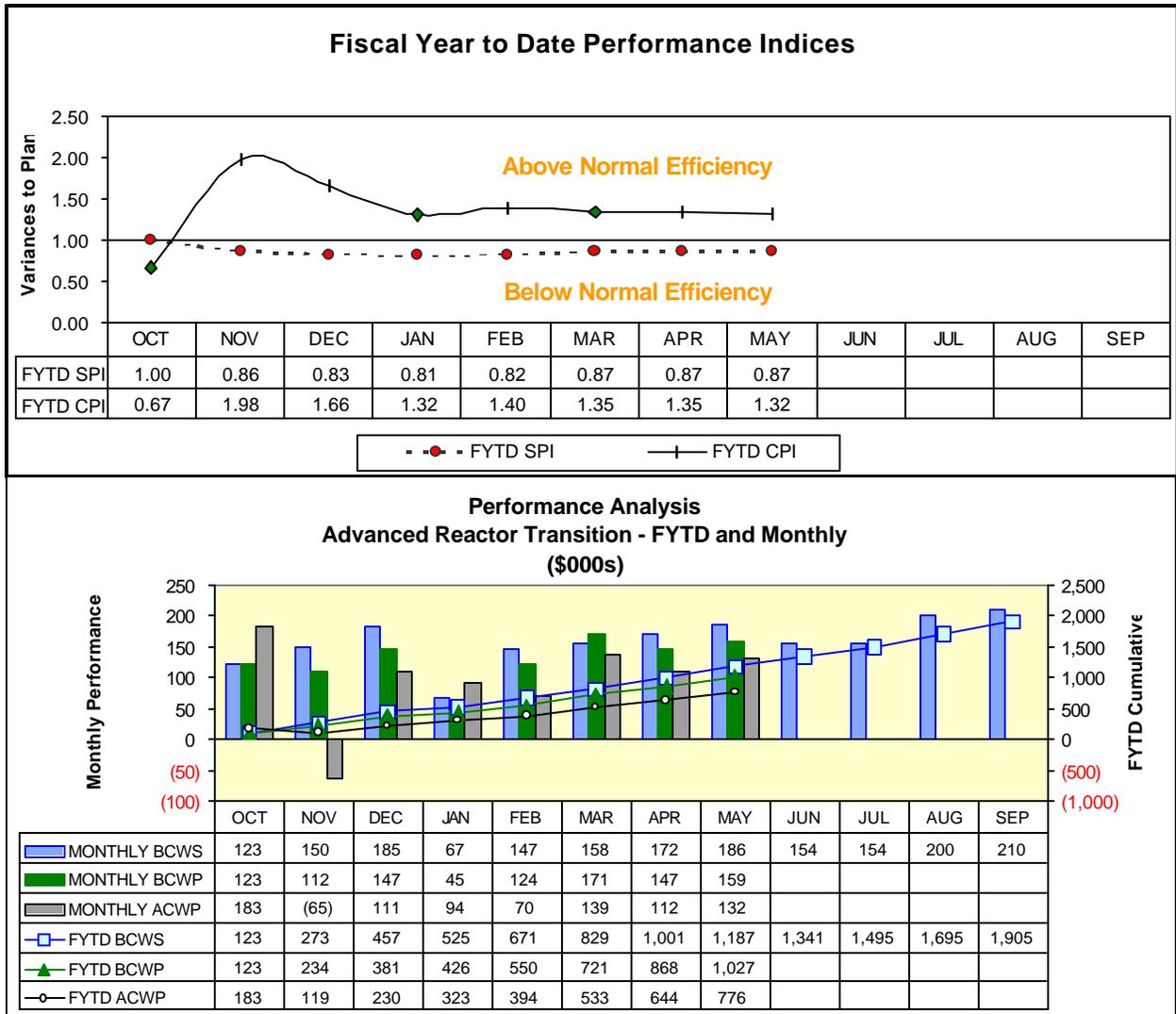
### Advanced Reactors Transition — 1.12.1/TP11

**DESCRIPTION AND CAUSE:** Corrective maintenance is level-loaded though the year. Requirements for corrective maintenance have been minimal to date.

**Impact:** There is no project impact at this time.

**Corrective Action:** None required; continuing to monitor.

## 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 <b>Advanced Reactors (EM)</b>				\$ 3,483	\$ 3,356	\$ 127			
<b>Total Advanced Reactors Operating</b>				\$ 3,483	\$ 3,356	\$ 127			
<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	C	H	T	E	C	H	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
ADVANCE WORK AUTHORIZATIONS														
		Nothing to report at this time.												

## KEY INTEGRATION ACTIVITIES

Nothing to report at this time.