



# **Section C**

## ***Advanced Reactors Transition***

### **PROJECT MANAGERS**

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

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

## INTRODUCTION

The Advanced Reactor Transition (ART) Program, PBS RL-RC03, Work Breakdown Structure (WBS) 3.1.3, consists of the Nuclear Energy (NE) Legacies and the 309 Building/Plutonium Recycle Test Reactor (PRTR) activities.

NOTE: Unless otherwise noted, all information contained herein is as of the end of February 2002.

## NOTABLE ACCOMPLISHMENTS

**309 Facility Deactivation** — Washington Department of Health inspected the 309 Facility to verify stack closure.

**NE Legacies Deactivation** — Progress in Building 337B included disassembly of sodium heater HTR-300 and removal of insulation and piping in preparation for disposal. The insulation was removed from the oil-water heat exchanger. The removal of the water lines to the oil-water heat exchanger was completed. Sodium heater HTR-300 was disassembled. The lid, bottom and sides were removed and placed on the 390-foot level where the heaters were removed from the side pieces. Insulation has been removed from the lid and one of the side pieces and will be disposed. The sodium pipe coil was cut away from the shell and placed in room 108 where it will be cut up for disposal. Work continues on preparing the Facility Modification Package and work instruction for the disassembly of the Sodium Purification and Characterization System Cold Trap located in room 108.

**NE Legacies Occupancy** — The 300 Area Sodium Storage Facilities Hazards Assessment, HNF-SD-PRP-HA-020, annual review was completed. The document has been updated to reflect the current known inventory of sodium in the facility and is at Fluor Hanford/DOE Emergency Preparedness for approval. The estimated sodium inventory was reduced from 27,000 pounds to 9,000 pounds.

## BREAKTHROUGHS / OPPORTUNITIES FOR IMPROVEMENT

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

## UPCOMING ACTIVITIES

**Shutdown the 309 Building** — To minimize Surveillance and Maintenance (S&M) costs while aligning with the 300 Area Accelerated Closure Plan, 1) the office wing roofs will be repaired, and 2) the building will be secured to minimize intrusion, pending resumption of deactivation activities in 2009.

**NE Legacies Deactivation** — Continue to dismantle small diameter piping and package for offsite shipment. Place a contract for cleaning sodium residue from 3718-M and Composite Reactor Component Test Activity (CRCTA) tanks.

## MILESTONE ACHIEVEMENT

There are no ART Milestones.

## PERFORMANCE OBJECTIVES

Nothing to report at this time.

## FY 2002 SCHEDULE / COST PERFORMANCE – ALL FUND TYPES FY TO DATE STATUS – (\$000)

By PBS	FYTD							
	BCWS	BCWP	ACWP	SV	%	CV	%	BAC
PBS RL-RC03 Advanced Reactors Transition								
WBS 3.1.3.1 NE Legacy Facilities Transition	\$ 427	\$ 427	\$ 357	\$ 0	0%	\$ 70	16%	\$ 1,080
WBS 3.1.3.2 PRTR/309 Building Transition	\$ 85	\$ 131	\$ 72	\$ 45	53%	\$ 59	45%	\$ 217
WBS 3.1.3.3 ART Project Management	\$ 84	\$ 84	\$ 59	\$ -	0%	\$ 25	30%	\$ 188
<b>Total</b>	<b>\$ 596</b>	<b>\$ 642</b>	<b>\$ 488</b>	<b>\$ 46</b>	<b>8%</b>	<b>\$ 154</b>	<b>24%</b>	<b>\$ 1,486</b>

### FY TO DATE SCHEDULE / COST PERFORMANCE

The \$0.05 million (8 percent) favorable schedule variance was due to better than planned progress this fiscal year on the 309 Building transition to shutdown activities.

The \$0.15 million (24 percent) favorable cost variance is primarily due to better than planned progress in the NE Legacies sodium loop deactivation work and 309 Building transition to shutdown activities.

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

### Schedule Variance Analysis: (\$0.05M)

#### Advanced Reactor Transition — 3.1.3/RC03

**Description/Cause:** The positive schedule variance is primarily due to better than planned progress this fiscal year on the 309 Building transition to shutdown activities.

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

**Corrective Action:** None required.

### Cost Variance Analysis: (\$0.15M)

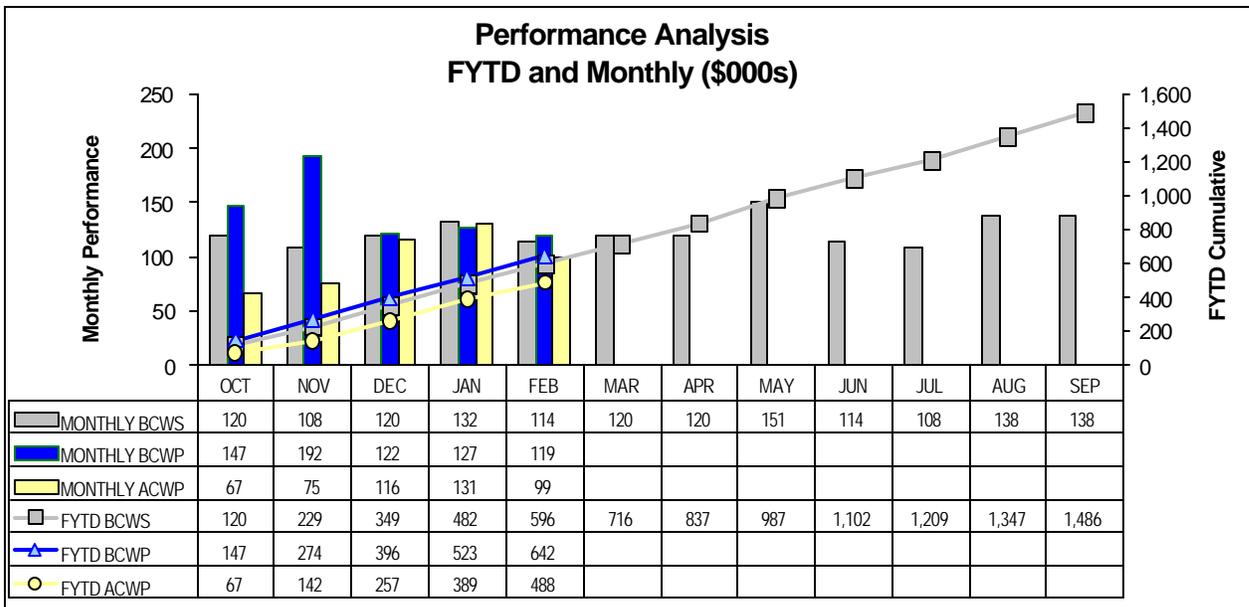
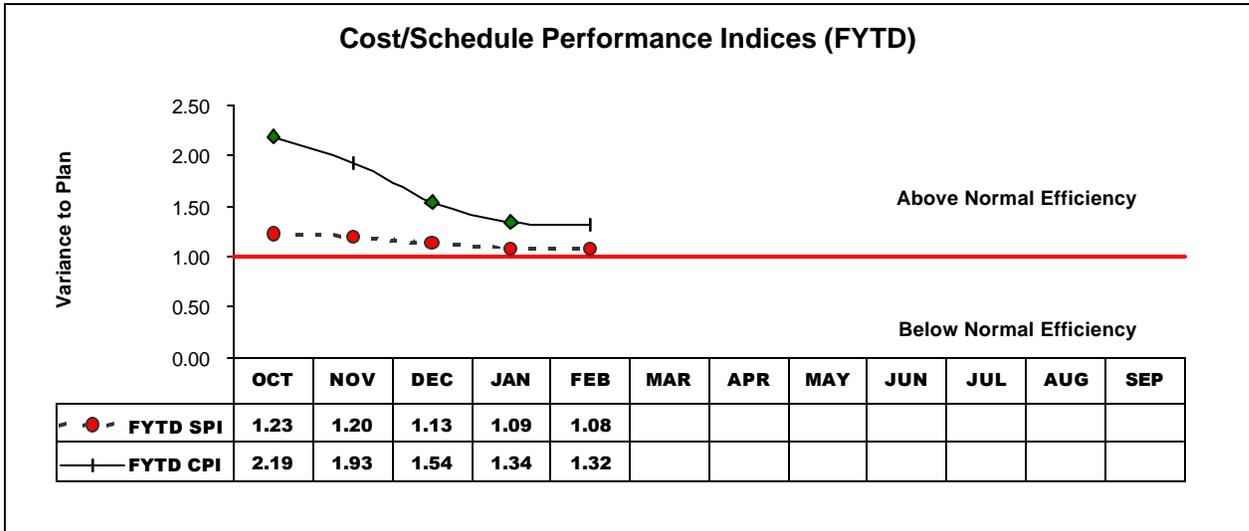
#### Advanced Reactor Transition — 3.1.3/RC03

**Description/Cause:** The positive cost variance is primarily due to performing the NE Legacies sodium loop deactivation work and 309 Building transition to shutdown activities for less than planned.

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

**Corrective Action:** None required.

## COST / SCHEDULE PERFORMANCE (MONTHLY AND FYTD)



## FUNDS MANAGEMENT

### FYTD FUNDS VS SPENDING FORECAST (\$000)

		FH Funds Reallocation	FYSF	Variance
3.1.3	Advanced Reactor Transition			
	RC03 - EM (Other Funding)	\$ 2,285	\$ 1,609	\$ 676
	Total	\$ 2,285	\$ 1,609	\$ 676

NOTES: FH reallocation reflects an FYSF adjusted for scope deletions, deferrals, and identified savings to address funding shortfalls, additional unplanned scope, and cost increases.

## 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

None to report.