



Section D

Advanced Reactor Transition

PROJECT MANAGERS

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

A.C. Crawford, FH
(509) 376-5457

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 September 2002.

TOP ACCOMPLISHMENTS FOR FY 2002

NE Legacies Deactivation — The Nuclear Energy Legacies program milestone number B10-02-062, "Remove sodium wetted piping from 337B" was completed ahead of the June 30, 2002 due date. The sodium piping in the facility was disassembled, cut up and placed into Department of Transportation approved shipping containers. The containers were first placed into a temporary < 90 day Accumulation Area on May 8, 2002. The drums were then sent to an offsite waste treatment facility.

The 337B cold trap was disassembled. The Economizer and Crystallizer components were separated and the inter-connecting piping was welded closed. A Department of Transportation exemption request for the shipment of the Cold Trap to an offsite waste contractor has been received. Unfortunately due to a fire, the contractor's facility is no longer able to accept the cold trap and an alternate location is being arranged.

Preparations are under way to modify the Composite Reactor Component Test Activity (CRCTA) and 3718-M storage Tanks for sodium residue removal.

Shutdown the 309 Building — Work was completed on the 309 building annex roof repairs.

The PRTR exhaust tack fans were permanently shut down and the Washington Department of Health verified the stack closure.

NOTABLE ACCOMPLISHMENTS

NE Legacies Deactivation — A Request for Proposal for outside contractors to clean the 3718-M and Composite Reactor Component Test Activity (CRCTA) tanks was sent out; eleven companies responded. The Facility Modification Package for the cleaning of the CRCTA vessel was completed, approved and released.

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 the building will be secured to minimize intrusion, pending resumption of deactivation activities in 2009.

NE Legacies Deactivation — Place a contract for cleaning sodium residue from 3718M and CRCTA tanks.

MILESTONE ACHIEVEMENT FH Contract Milestones

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	\$ 1,467	\$ 1,467	\$ 1,011	\$ -	0%	\$ 456	31%	\$ 1,467	
WBS 3.1.3.2 PRTR/309 Building Transition	\$ 221	\$ 354	\$ 175	\$ 133	60%	\$ 179	50%	\$ 221	
WBS 3.1.3.3 ART Project Management	\$ 188	\$ 188	\$ 143	\$ -	0%	\$ 46	24%	\$ 188	
Total	\$ 1,876	\$ 2,009	\$ 1,329	\$ 133	7%	\$ 680	34%	\$ 1,876	

FY TO DATE SCHEDULE / COST PERFORMANCE

The \$0.13 million (7 percent) favorable schedule variance was due to greater than planned progress this fiscal year on the 309 Building transition to shutdown activities.

The \$0.68 million (34 percent) favorable cost variance is primarily due to better than planned progress in the NE Legacies sodium loop deactivation work and 309 Building surveillance activities.

Note: 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: (+ \$0.13M)

Advanced Reactor Transition – 3.1.3/RC03

Description/Cause: The favorable 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: (+ \$0.68M)

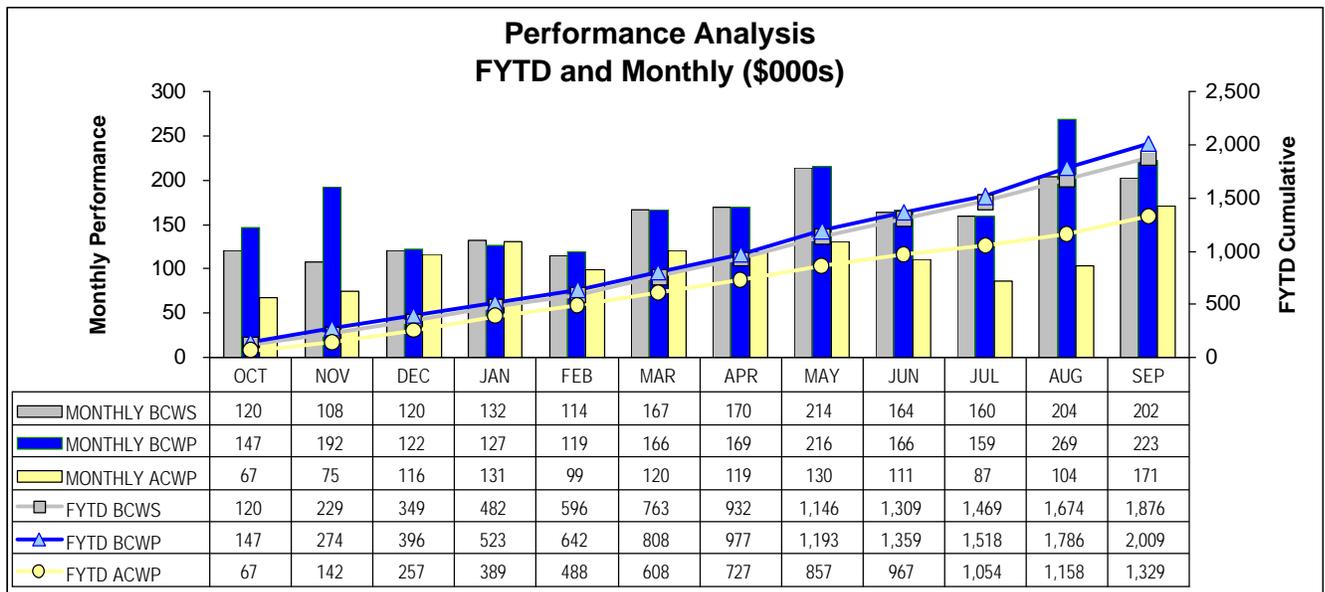
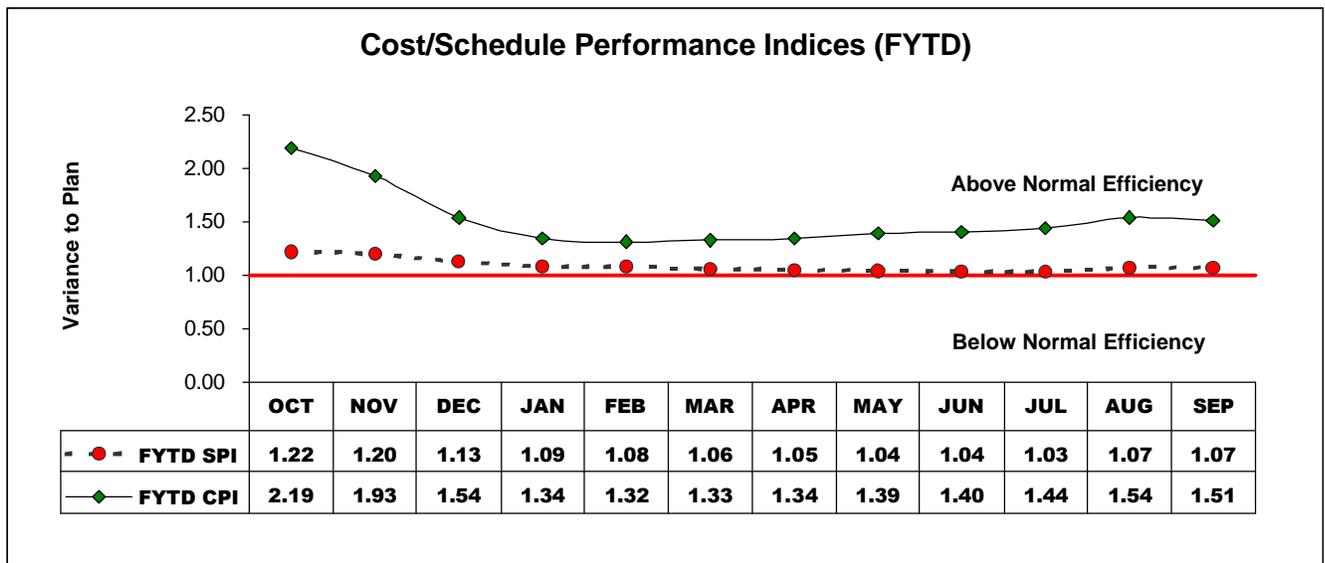
Advanced Reactor Transition — 3.1.3/RC03

Description/Cause: The favorable cost variance is primarily due to performing the NE Legacies sodium loop deactivation work and 309 Building surveillance 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 ACTUALS (\$000)

	FH Funds Reallocation	Actual Cost	Variance
3.1.3 Advanced Reactor Transition			
RC03 - EM (Other Funding)	\$ 2,373	\$ 1,329	\$ 1,044
Total	\$ 2,373	\$ 1,329	\$ 1,044

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.