



Section C

Advanced Reactors Transition

PROJECT MANAGERS

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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 March 2002.

NOTABLE ACCOMPLISHMENTS

NE Legacies Deactivation:

The 337B Back Up Nitrogen Supply Bottle Rack Modification fieldwork was completed.

The liquid metal oxygen meter electrochemical cell was removed from the Sodium Purification and Characterization System and shipped to Maintenance and Storage Facility (MASF) to separate the sodium from the solid electrolyte material.

All piping to the cold trap oil-water heat exchanger was removed, and the heat exchanger was prepared for removal.

The removal of the caustic material from the demineralized water system was started. About 75 liters of liquid were removed.

Work on the disassembly of the sodium Heat Exchanger HX-300 located in room 104 was started. A green house was erected and the asbestos insulating materials removed and packaged for disposal. The heat exchanger was then disassembled into its component parts.

The remaining insulating materials for HTR-300 were removed and disposed of and cutting up of the coil from the heater was started.

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 sodium piping and components for disposition. Place a contract for cleaning sodium residue from 3718-M and Composite Reactor Component Test Activity (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 | \$ 559 | \$ 559 | \$ 450 | \$ 0 | 0% | \$ 109 | 20% | \$ 1,451 | |
| WBS 3.1.3.2 PRTR/309 Building Transition | \$ 103 | \$ 148 | \$ 87 | 45 | 44% | 61 | 41% | \$ 217 | |
| WBS 3.1.3.3 ART Project Management | \$ 101 | \$ 101 | \$ 71 | \$ - | 0% | \$ 30 | 30% | \$ 188 | |
| Total | \$ 763 | \$ 808 | \$ 608 | \$ 45 | 6% | \$ 200 | 25% | \$ 1,856 | |

FY TO DATE SCHEDULE / COST PERFORMANCE

The \$0.05 million (6 percent) favorable schedule variance was due to better than planned progress this fiscal year on the 309 Building transition to shutdown activities.

The \$0.2 million (25 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 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: (\$0.2M)

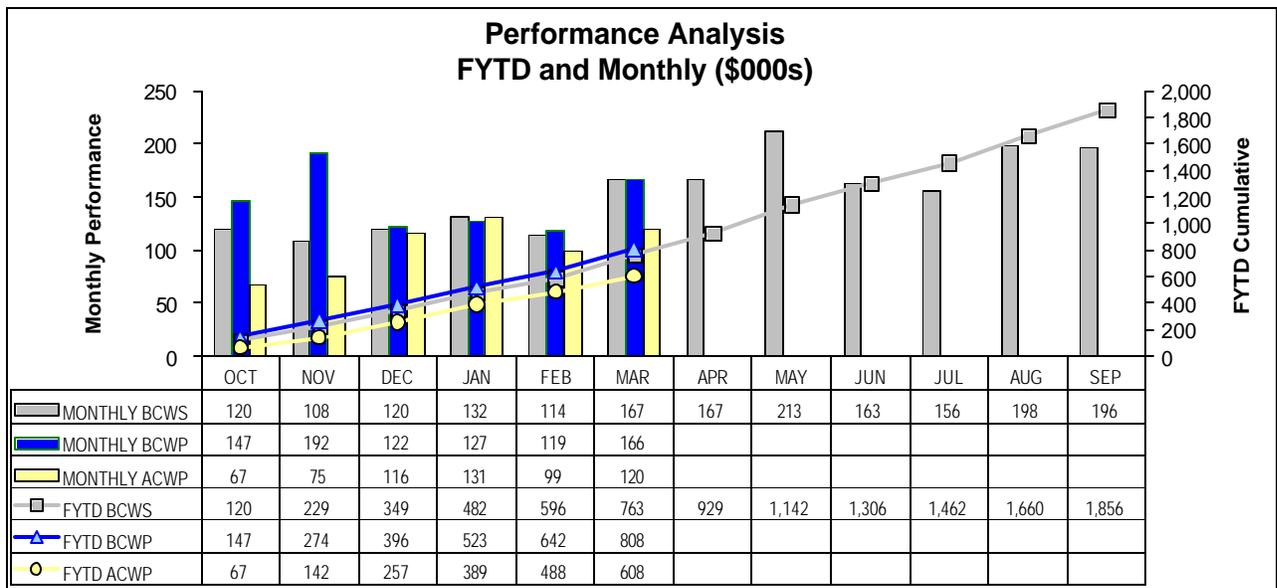
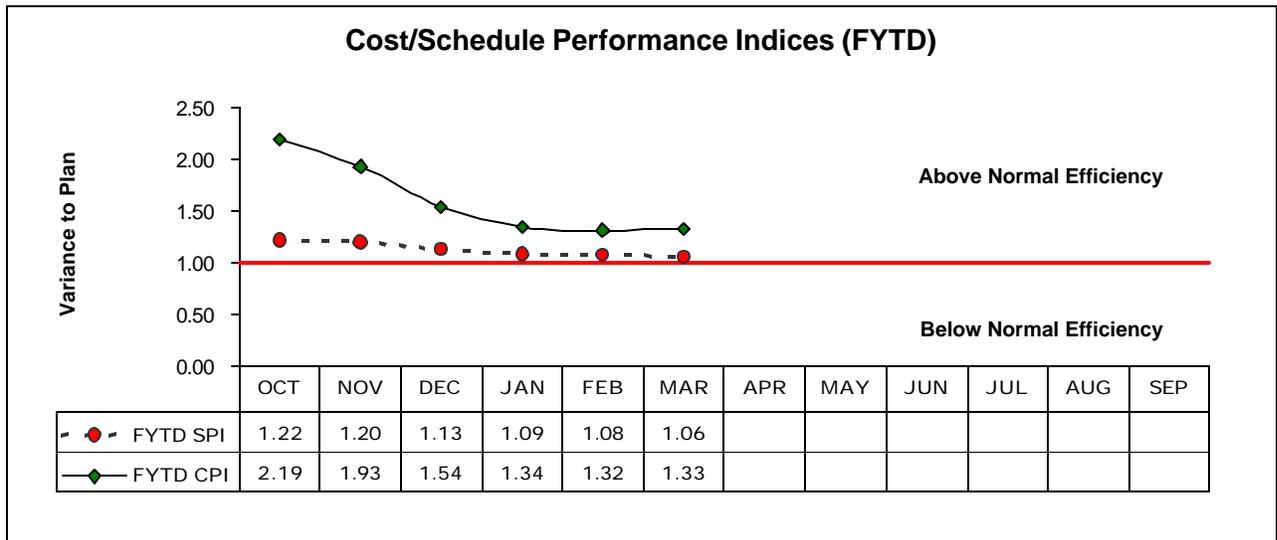
Advanced Reactor Transition — 3.1.3/RC03

Description/Cause: The favorable cost variance is primarily due to performing the NE Legacies sodium loop deactivation work and 309 Building 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 | \$ 1,613 | \$ 673 |
| | Total | \$ 2,285 | \$ 1,613 | \$ 673 |

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.