



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 September 30, 2001. All other information is as of October 29, 2001 unless otherwise noted.

Fiscal-year-to-date milestone performance (EA, DOE-HQ, and RL) shows that one milestone was completed on schedule.

Top 5 Accomplishments for FY 2001

309 Facility Fuel Transfer Pit – The RL milestone to Stabilize the PRTR Fuel Transfer Pit was successfully completed.

309 Facility Fuel Transfer Pit – Cleanout of the sludge on the fuel transfer pit floor was completed. The application of a radiological fixative was completed.

NE Legacies Deactivation – The HNF-8539, 335 and 337B Administrative Manuals were updated. Work progressed on the second phase of electrical, instrumentation, and insulation removal on the 337B sodium loop.

NE Legacies Deactivation – The Thermal Transient Loop cold trap, containing about 200 lbs of sodium metal, was welded shut and secured to a pallet, to satisfy the requirement of the Department of Transportation exemption for shipping offsite. The trap was shipped to an offsite waste treatment center.

NE Legacies Deactivation – The last of the rinse solutions from the sodium potassium (NaK) alloy residue removal operation were shipped to the Treated Effluent Disposal Facility (TEDF).

Accomplishments this Reporting Period

309 Facility Fuel Transfer Pit – Repair of the 309 Building roof progressed to greater than 60 percent complete.

NE Legacies Deactivation – All of the electrical components were removed from the 337B sodium loop. The components are being removed in preparation for removal of the piping.

SAFETY

Safety data for ART is included in other project reports.

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

Shutdown the 309 Building – To minimize Surveillance and Maintenance (S&M) costs while aligning with the 300 Area Accelerated Closure Plan, 1) the 309 Building containment exhaust system and the stack will be shutdown, 2) the office wing roofs will be repaired, and 3) the building will be secured to minimize intrusion, pending resumption of deactivation activities in 2009.

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	1	0	0	0	0	0	1
Total Project	0	1	0	0	0	0	0	1

PERFORMANCE OBJECTIVES

Nothing to report at this time.

FY 2001 SCHEDULE / COST PERFORMANCE – ALL FUND TYPES CUMULATIVE TO DATE STATUS – (\$000)



By PBS	FYTD							
	BCWS	BCWP	ACWP	SV	%	CV	%	BAC
PBS TP11 WBS 1.12 Advanced Reactors Transition	\$ 1,869	\$ 1,737	\$ 1,341	\$ (132)	-7%	\$ 396	23%	\$ 1,905
Total	\$ 1,869	\$ 1,737	\$ 1,341	\$ (132)	-7%	\$ 396	23%	\$ 1,905

Authorized baseline is per the Integrated Planning Accountability and Budget System (IPABS) – Project Execution Module (PEM). ACWP reflects only cost in WBS 1.12. \$1,709K 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 \$0.1 million (7 percent) unfavorable schedule variance was due to additional planning time and fieldwork complications in the cleanout of the PRTR Fuel Transfer Pit.

The \$0.4 million (23 percent) favorable cost variance was due to lower than anticipated corrective maintenance costs in NE Legacies and the 309 Facility and efficiencies.

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)

Description/Cause: The unfavorable schedule variance was primarily due to Transition to 309 Shutdown activities that were late in starting due to priority given to the Fuel Transfer Pit cleanout. This also impacted other 309 Building system shutdown work.

Impact: Some 309 Building surveillance and maintenance activities and transition to shutdown activities will need to be carried over to FY 2002.

Corrective Action: The 309 Building workscope not completed in FY 2001 and still required will be incorporated in the FY 2002 planning. BCR action will be implemented as appropriate.

Cost Variance Analysis: (\$0.4M)

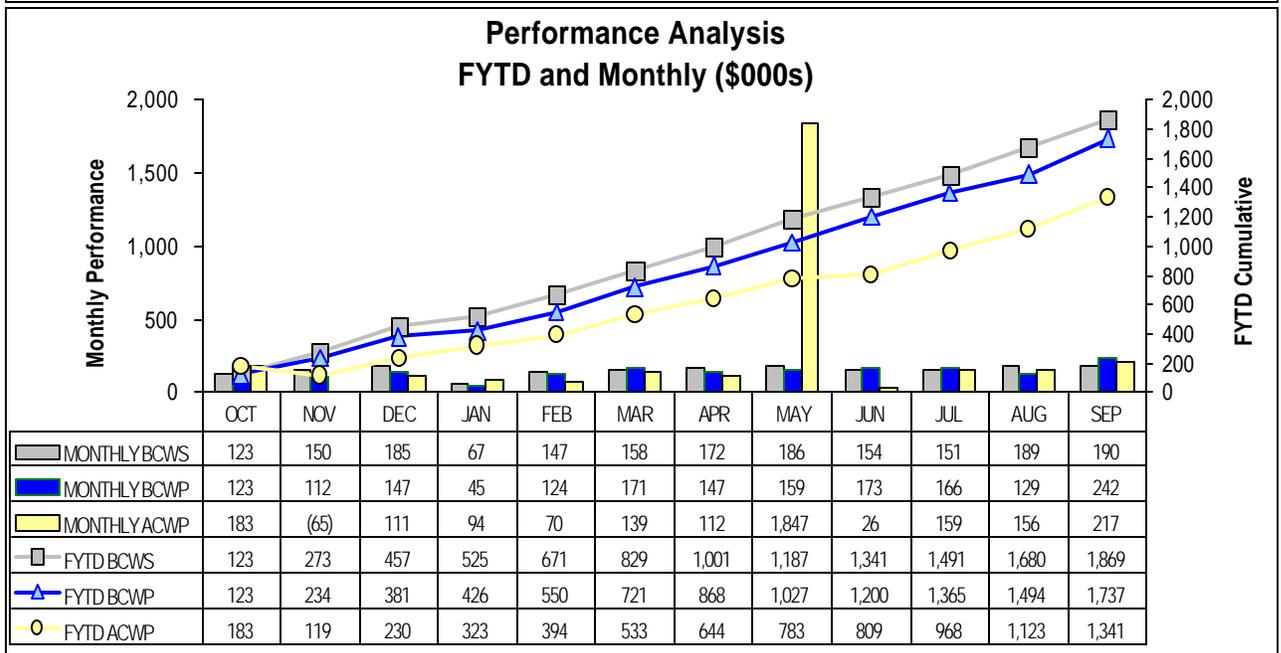
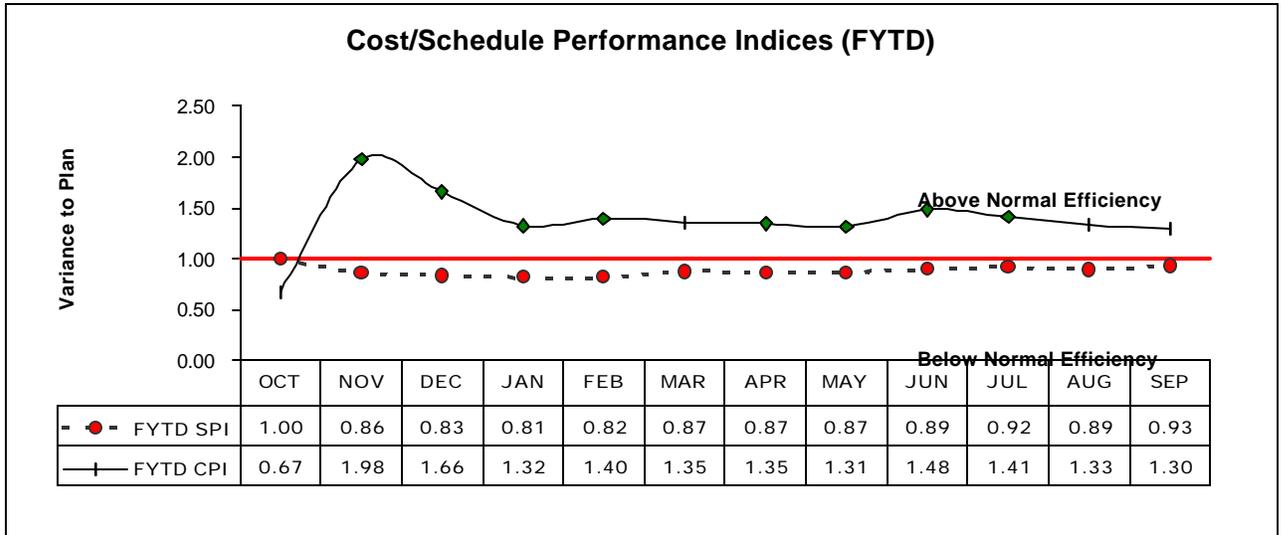
Advanced Reactors Transition (1.12)

Description/Cause: The favorable cost variance is primarily due to ongoing surveillance and maintenance (S&M) activities in the 309 Building being less than planned as priority was diverted to other work, which resulted in fewer resources available for S&M work. Other contributors to the variance were efficiencies in the PRTR Fuel Transfer Pit.

Impact: None.

Corrective Action: None required.

COST / SCHEDULE PERFORMANCE (MONTHLY AND FYTD)



Note: Advanced Reactor Transition ACWP excludes \$1,709K of FFTF carryover funding.

FUNDS MANAGEMENT FUNDS VS ACTUAL COSTS (\$000) FY 2001

		FY 2001 Funds	FY 2001 Actual Costs	Uncosted
1.12	Advanced Reactor Transition			
	TP11			
	- EM (Other Funding)	\$ 3,508	\$ 2,973	535
	Total	\$ 3,508	\$ 2,973	\$ 535

NOTE: Advanced Reactor Transition funds and actuals include \$1,716K of FFTF carryover funding and excludes client furnished materials.

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

Nothing to report at this time.

KEY INTEGRATION ACTIVITIES

Nothing to report at this time.