

## **Nuclear Material Stabilization and Disposition (RL-0011)**

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*All process equipment has been removed from the 232-Z scrubber cell*



*D8 Sump Cleaning*

## Overview

This section addresses work in Project Baseline Summary RL-0011, *Nuclear Material Stabilization and Disposition*.

NOTE: Unless otherwise noted, all information contained herein is as of the end of February 2006.

## Notable Accomplishments

### Disposition the Plutonium Finishing Plant (PFP) Facility

- All process equipment has been removed from the 232-Z scrubber cell.
- The 241-Z team continued process piping, floor and sump cleanout and waste load out activities in D-5 and D-8 Cells in 241-Z. One hundred entries have now been completed into the cells since characterization.
- Pie plating of 20 gloveports was completed this month in Plutonium Process Support Laboratories (PPSL) for a total of 1,116 completed to date.
- Four solution containers were shipped to Waste Management since the beginning of March, bringing total shipped to 350.
- Aerosol testing of the 234-5Z filter rooms was completed.
  - All filter rooms have been aerosol tested and found to be operable.
- The Interim Secure Storage Facility (ISSF)/Security Enhancement Project (SEP) National Environmental Policy Act (NEPA) documentation and ISSF Radiological Notice of Construction (RAD NOC) were submitted to RL.

## FY 2006 Funds vs. Spend Forecast (\$M)

	Projected FY 2006 Funding	FY 2006 Fiscal Year Spend Forecast	Variance
Nuclear Materials Stabilization & Disposition	\$ 137.2	\$ 137.0	\$ 0.3

## FY 2006 Schedule/Cost Performance (\$M)

	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance \$	Schedule Variance %	Cost Variance \$	Cost Variance %	Budget At Completion
Nuclear Materials Stabilization & Disposition	\$45.5	\$40.9	\$46.9	-\$4.6	-10.1%	-\$6.0	-14.6%	\$116.3

Numbers are rounded to the nearest \$0.1M and include the closure services allocation.

## FY 2006 Schedule/Cost Performance, continued

**Schedule Performance: (-\$4.6M/-10.1%):** Primary contributors to the unfavorable schedule performance include:

- Behind schedule on 241-Z modifications for turnover due to the change in path forward.
- 234-5Z and T Plant size reduction work scope planned in FY 2006 but performed in FY 2005, apportioned support activities behind due to delayed Decontamination and Decommissioning (D&D), partially offset by recovery of FY 2005 lay-up scope.
- ISSF detailed design placed on hold pending receipt of project and engineering design funding.

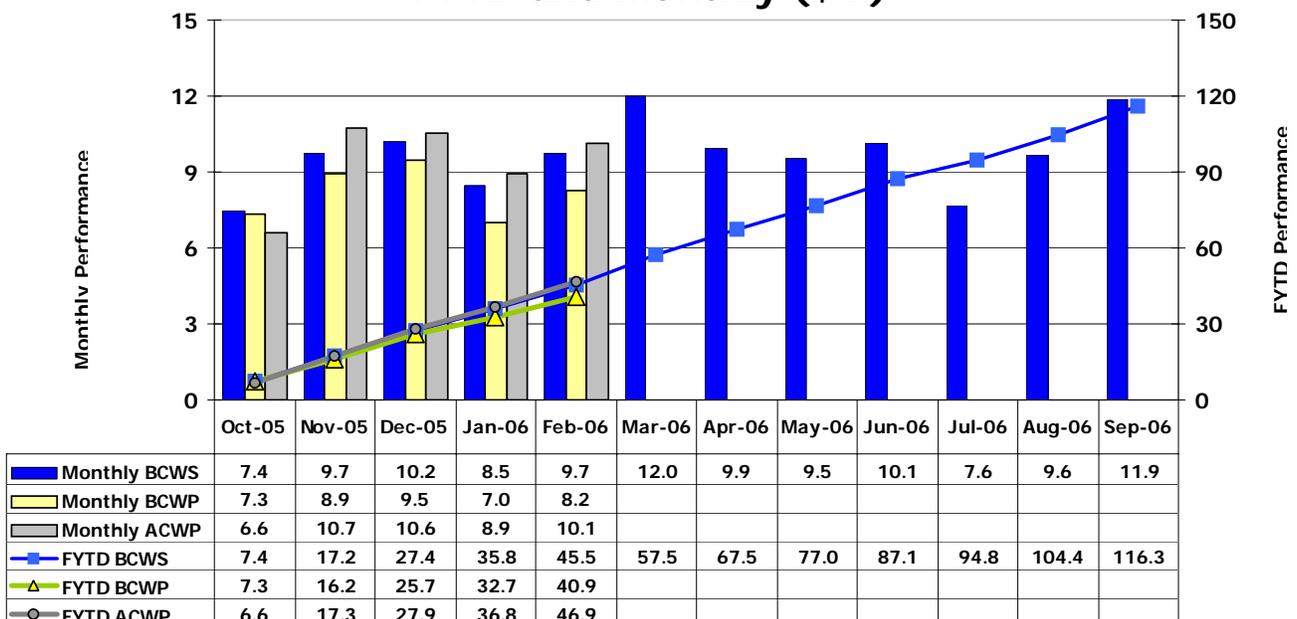
Negative schedule variance partially offset by:

- Recovery of FY 2005 carryover scope for fuel moves in support of material access area elimination.

**Cost Performance: (-\$6.0M/-14.6%):** Primary contributors to the unfavorable cost variance include:

- Increased nuclear safety support required; efforts to reduce the preventive maintenance backlog and address high priority maintenance items.
- Apportioned D&D support activities continuing at a fairly consistent level versus behind schedule status of D&D activities.
- Time-phasing of assessments.

### Performance Analysis FYTD and Monthly (\$M)



## Milestone Achievement

Number	Milestone Title	Type	Due Date	Actual Date	Forecast Date	Status/Comments
TRP-05-501 TRP-05-506	Discontinue Waste Discharges from the 241-Z Tanks to Tank Farms	TPA PI	6/30/05	12/13/04		Complete
TRP-05-504	Complete Pu Legacy Holdup Removal	PI	9/30/05	6/30/05		Complete
TRP-05-505	Transition 10 Facilities to Slab-on-Grade	PI	9/30/05	5/22/05		Complete
TRP-06-500	Decontaminate Glovebox HA-20MB	TPA	3/31/06	10/28/04		Complete
TRP-06-501	Complete Pu Legacy Holdup Removal	TPA	9/30/06	6/30/05		Complete
TRP-06-507 TRP-06-502	Transition 232-Z Bldg Incinerator to Slab-on-Grade	TPA	9/30/06		8/30/06	Ahead of Schedule
TRP-06-509	Disposition Miscellaneous PFP Nuclear Materials	PI	9/30/06		9/30/06	On Schedule
TRP-06-515	Complete 242-Z Initial Entry & Characterization	PI	9/30/06	10/5/05		Complete
TRP-06-519	Complete Conceptual Design for Compliant Storage Facility	PI	9/30/06	1/26/06		Complete
TRP-06-520	Submit Preliminary Safety Basis Documentation (PDSA) on ISSF	PI	9/30/06			
TRP-06-521	Submit SEP Project NEPA Documentation	PI	9/30/06	2/8/06		Complete
TRP-06-522	Complete Design Sufficient to Initiate Construction MODS of ISSF	PI	9/30/06			
TRP-06-524	Complete Cell Preparation Phase for Each of Five (5) Cells	PI	9/30/06			
TRP-06-525	Complete Tank Removal Phase for Each of Five (5) Tanks	PI	9/30/06			
TRP-06-526	Complete Formal Turnover of the Facility for Construction	PI	9/30/06			
TRP-06-527	Complete Demolition of Five DBT-Related Ancillary Facilities	PI	9/30/06		9/30/06	On Schedule