

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

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*216-Z-9 glovebox*



*Tank D-6*

## 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 2007.

## Notable Accomplishments

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

- Completed closure of the PFP 241-Z treatment storage disposal unit over four years ahead of the Tri-Party Agreement (TPA) Milestone.
- Completed final closure of the 241-Z D-6 pit
  - Completed stabilization of the five 241-Z vaults
- Glove box clean out progress
  - Completed Phase 1 of Process Equipment Removal for the 179 gloveboxes 10 and 12
  - Sealed out initial waste in HC-227S and piping removal began
  - Completed HC-11 glove port activation
- Completed Non-destructive assay (NDA) of the 216-Z-9 glovebox
- Approved and released the PFP Programmatic Health and Safety Plan (HASP)
- Finalized Documented Safety Analysis (DSA) changes to allow load testing of the 236-Z roof, and subsequently received RL approval

## FY 2007 Funds vs. Spend Forecast (\$M)

	Projected FY 2007 Funding	FY 2007 Fiscal Year Spend Forecast	Variance
Nuclear Materials Stabilization and Disposition	\$ 98.2	\$ 97.9	\$ 0.3

## FY 2007 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	\$34.3	\$41.9	\$36.0	\$7.6	22.1%	\$5.9	14.2%	\$91.7

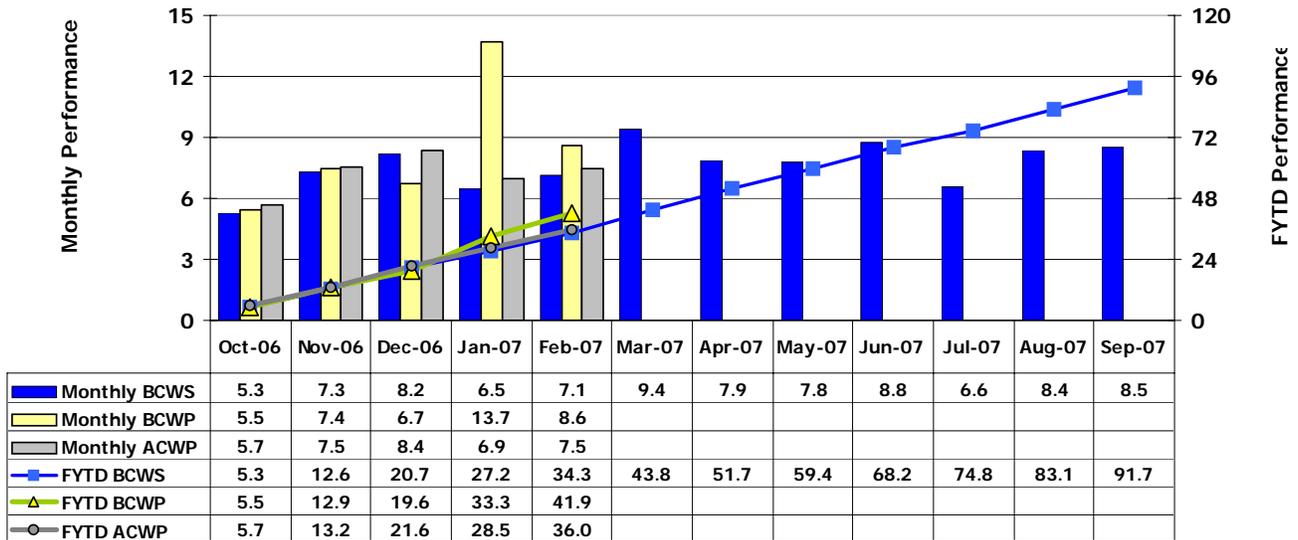
Numbers are rounded to the nearest \$0.1M and include the closure services allocation.

## FY 2007 Schedule/Cost Performance (\$M), continued

**Schedule Performance: (\$7.6M/22.1%):** Positive schedule variance is due to accelerated progress on planning and glovebox cleanout in the 234-5Z facility, and associated apportioned support activities.

**Cost Performance: (\$5.9M/14.2%):** The positive cost variance is due primarily to work efficiencies in 234-5Z glovebox cleanout, and an enhanced approach to 241-Z cell stabilization and apportioned support activities.

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



## Milestone Achievement

Number	Milestone Title	Type	Due Date	Actual Date	Forecast Date	Status/Comments
TRP-06-533	RCRA Closure Activities Completed For Each 241Z Cell With RCRA Permitted Tanks	PI	10/30/06	10/26/06		Complete
TRP-06-537	234-5Z Roof Repair Completed	PI	3/31/07	9/28/06		Complete
TRP-07-501	Complete Internal Cleanout of Eight Gloveboxes by September 30, 2007	PI	9/30/07		9/30/07	On Schedule
TRP-07-502	Operator Certification and Professional Engineer Certification on the RCRA 241-Z Closure Submitted to DOE	PI	3/30/07	12/8/06	12/8/06	Complete
TRP-07-503	241-Z Transitioned to Demolition Ready Condition	PI	6/30/07		4/5/07	Ahead of Schedule
TRP-07-504	241-Z Demolished to Slab-On-Grade	PI	9/30/07		6/30/07	Ahead of Schedule
TRP-08-004	Removal Action Work Plan for the 216-Z-9 Crib Complex Submitted to DOE	PI	9/30/08		9/30/08	On Schedule
TRP-08-005	Implement the Necessary Lay-up Activities to Place PFP in a Safe Configuration Until D&D Resumes	PI	9/30/08		9/30/08	On Schedule
TRP-08-025	Complete 216-Z-9 Facility Condition Analysis by 30 September 2008	PI	9/30/08		11/30/07	Ahead of Schedule
TRP-11-502	Complete Closure of the PFP 241-Z TSD Unit	TPA	9/30/11	2/22/07	2/8/07	Complete
TRP-11-503	Complete Transition and Dismantlement of 241-Z Waste Treatment Facility	TPA	9/30/11		6/30/07	Ahead of Schedule