

# Nuclear Material Stabilization and Disposition (RL-0011)

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*Completed demolition of 232-Z*



*Completed disposition of 794  
VIPAC fuel pins*



*Initiated 234-5Z roof repair*

## 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 July 2006.

## Notable Accomplishments

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

- Completed demolition of 232-Z and the corresponding Tri-Party Agreement (TPA) milestone two months ahead of schedule
- Completed disposition of 794 VIPAC fuel pins; last standard waste box shipped on July 18, 2006
- Completed clean-out to low-level waste or removal of eight gloveboxes (for a total of 52) in 234-5Z
- Initiated 234-5Z roof repair

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

	Projected FY 2006 Funding	FY 2006 Fiscal Year Spend Forecast	Variance
Nuclear Materials Stabilization & Disposition	\$ 149.6	\$ 141.5	\$ 8.1

## 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	\$92.6	\$95.3	\$100.1	\$2.8	3.0%	-\$4.8	-5.0%	\$115.4

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

## FY 2006 Schedule/Cost Performance, continued

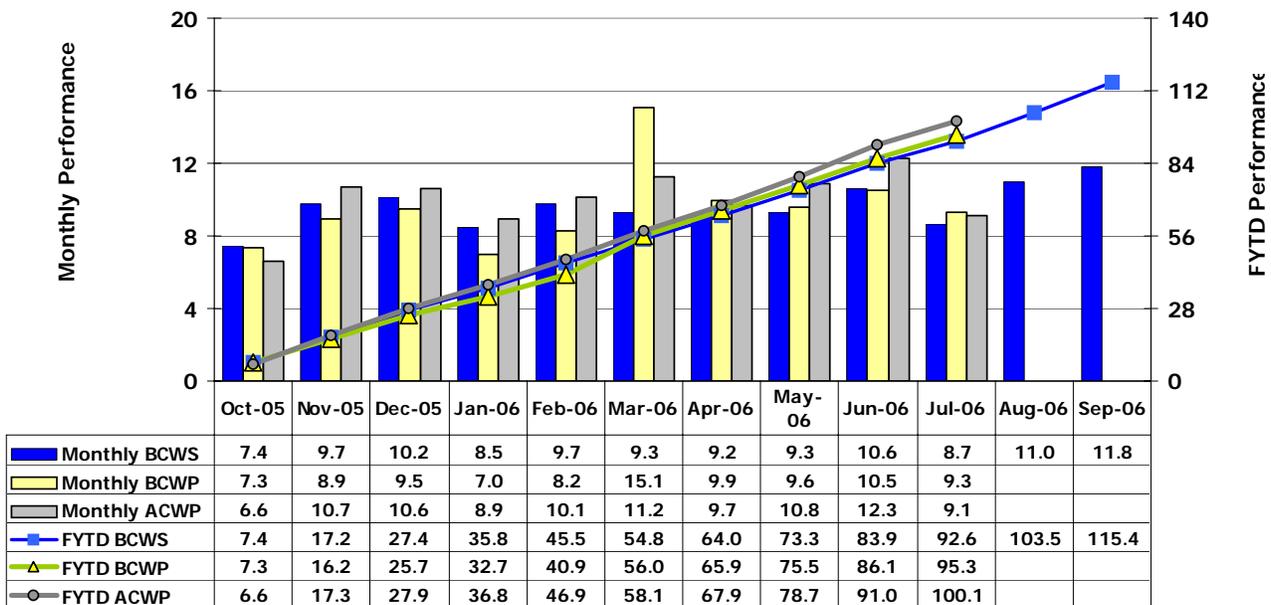
**Schedule Performance: (+2.8M/+3.0%):** Primary contributors to the favorable schedule performance include:

- Recovery of FY 2005 carryover scope for fuel moves in support of material access area elimination, and ahead of schedule status on VIPAC fuel pin disposition
- Efforts continue on work originally planned in FY 2005 resulting in a positive schedule variance; early completion of 234-5Z/Plutonium Reclamation Facility pie plating, and other lay-up activities

**Cost Performance: (-\$4.8M/-5.0%):** Primary contributors to the unfavorable cost variance include:

- Startup costs associated with disposition of the VIPAC fuel
- Increased support labor, crane and rigging and consumables (personal protective equipment, tools etc.), for Decontamination and Decommissioning activities
- Increased labor and assessed costs for desktop services, telephones, occupancy and contracts (e.g., self assessments, criticality assessment, etc.)

### 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	12/8/04		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	7/27/06		Complete
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-06-521	Submit SEP Project NEPA Documentation	PI	9/30/06	2/8/06		Complete
TRP-06-527	Complete Demolition of Five DBT-Related Ancillary Facilities	PI	9/30/06		9/30/06	On Schedule