

Nuclear Material Stabilization and Disposition (RL-0011)

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232-Z Demolition



232-Z Stack Removal



232-Z Site Cleanup

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 June 2006.

Notable Accomplishments

Disposition the Plutonium Finishing Plant (PFP) Facility

- Continued shipment of Standard Waste Boxes (SWBs) containing VIPAC fuel pins, shipping 268 pins in June and bringing total pins shipped to 784
- Completed 232-Z facility demolition activities
- Completed 241-Z Cell D5 and Cell D8 Resource Conservation and Recovery Act/Comprehensive Environmental Response, Compensation, and Liability Act (RCRA/CERCLA) end points
- Completed the External Independent Review (EIR) of the RL-011 Planning Case, performed by Systematic Management Services, Inc., for DOE-HQ's Office of Engineering and Construction Management
- Completed fire systems modifications in 2736-ZB facility

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

	Projected FY 2006 Funding	FY 2006 Fiscal Year Spend Forecast	Variance
Nuclear Materials Stabilization & Disposition	\$ 137.3	\$ 136.2	\$ 1.0

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	\$83.9	\$86.1	\$91.0	\$2.2	2.6%	-\$4.9	-5.7%	\$115.4

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

FY 2006 Schedule/Cost Performance, continued

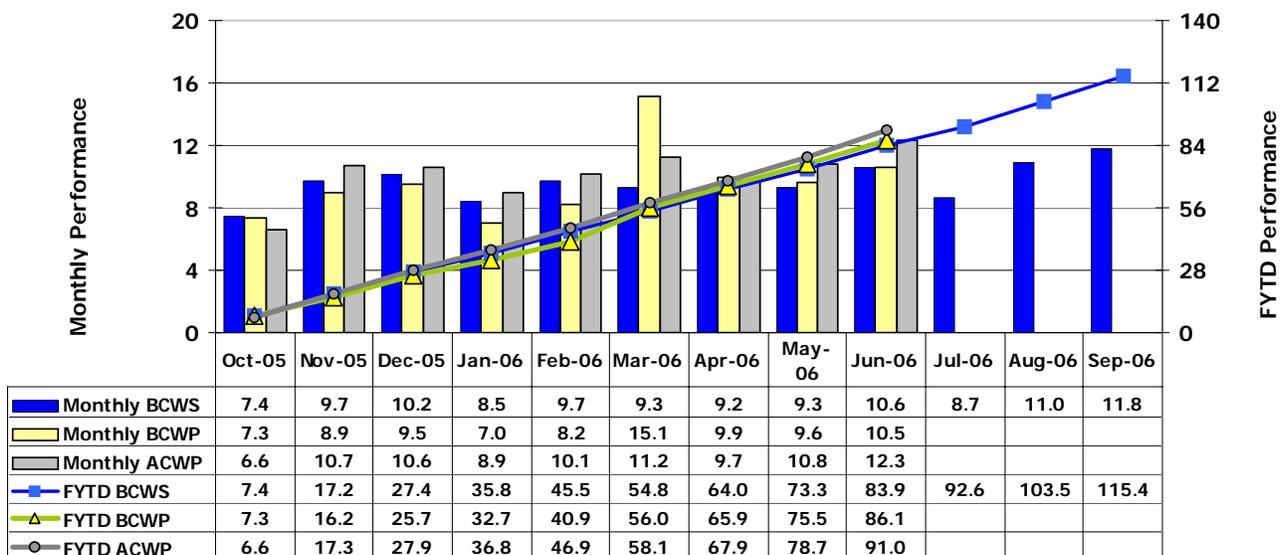
Schedule Performance: (+2.2M/+2.6%): Primary contributors to the favorable schedule performance include:

- 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 (PRF) pie plating, and other lay-up activities
- Partially offset by delays in the 234-5Z roof repair project, preventative maintenance backlog, and delay in special projects due to resource availability

Cost Performance: (-\$4.9M/-5.7%): Primary contributors to the unfavorable cost variance include:

- Startup costs associated with disposition of the VIPAC fuel pins
- Increased support labor, crane and rigging and consumables (personal protective equipment, tools etc.), for Decontamination and Decommissioning (D&D) activities
- Increased labor and contracts to support the PFP Planning Case and EIR; increased assessed costs for general services

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	6/30/2005	12/8/2004		Complete
TRP-05-504	Complete Pu Legacy Holdup Removal	PI	9/30/2005	6/30/2005		Complete
TRP-05-505	Transition 10 Facilities to Slab-on-Grade	PI	9/30/2005	5/22/2005		Complete
TRP-06-500	Decontaminate Glovebox HA-20MB	PI	3/31/2006	10/28/2004		Complete
TRP-06-501	Complete Pu Legacy Holdup Removal	TPA	9/30/2006	6/30/2005		Complete
TRP-06-507 TRP-06-502	Transition 232-Z Bldg Incinerator to Slab-on-Grade	TPA	9/30/2006		7/31/2006	Ahead of Schedule
TRP-06-509	Disposition Miscellaneous PFP Nuclear Materials	PI	9/30/2006		9/30/2006	On Schedule
TRP-06-515	Complete 242-Z Initial Entry & Characterization	PI	9/30/2006	10/5/2005		Complete
TRP-06-519	Complete Conceptual Design for Compliant Storage Facility	PI	9/30/2006	1/26/2006		Complete
TRP-06-521	Submit SEP Project NEPA Documentation	PI	9/30/2006	2/8/2006		Ahead of Schedule
TRP-06-527	Complete Demolition of Five DBT-Related Ancillary Facilities	PI	9/30/2006		9/30/2006	On Schedule