

Nuclear Material Stabilization and Disposition (RL-0011)

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*Completed 241-Z
Demolition Activities*

216-Z-9 Crawler

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 May 2007.

Notable Accomplishments

Disposition the Plutonium Finishing Plant (PFP) Facility

- Completed 241-Z demolition on June 8, 2007, four years ahead of its Tri-Party Agreement milestone due date.
- Continued clean-out of 234-5Z gloveboxes.
 - Completed internal clean-out and waste disposition of HC-12S, HA14S, 179-6 and HC-230-C4.
 - Continued process equipment removal from 227-T and HA14P.
 - Removed all conveyor material from HA-16CS.
- Completed training on the operation of the crawler to be used for the inspection of the 216-Z-9 crib.

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

	Projected FY 2007 Funding	FY 2007 Fiscal Year Spend Forecast	Variance
Nuclear Materials Stabilization and Disposition	\$ 98.3	\$ 98.5	\$ (0.2)

Schedule/Cost Performance (\$M)

Nuclear Materials Stabilization & Disposition	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 (FY07/ CTD)
Current Period (Month)	\$7.8	\$8.8	\$7.6	\$1.0	13.1%	\$1.2	14.1%	\$91.8
Cumulative to Date (FY 2004 - Present)	\$535.5	\$546.1	\$514.8	\$10.7	2.0%	\$31.3	5.7%	\$655.0

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

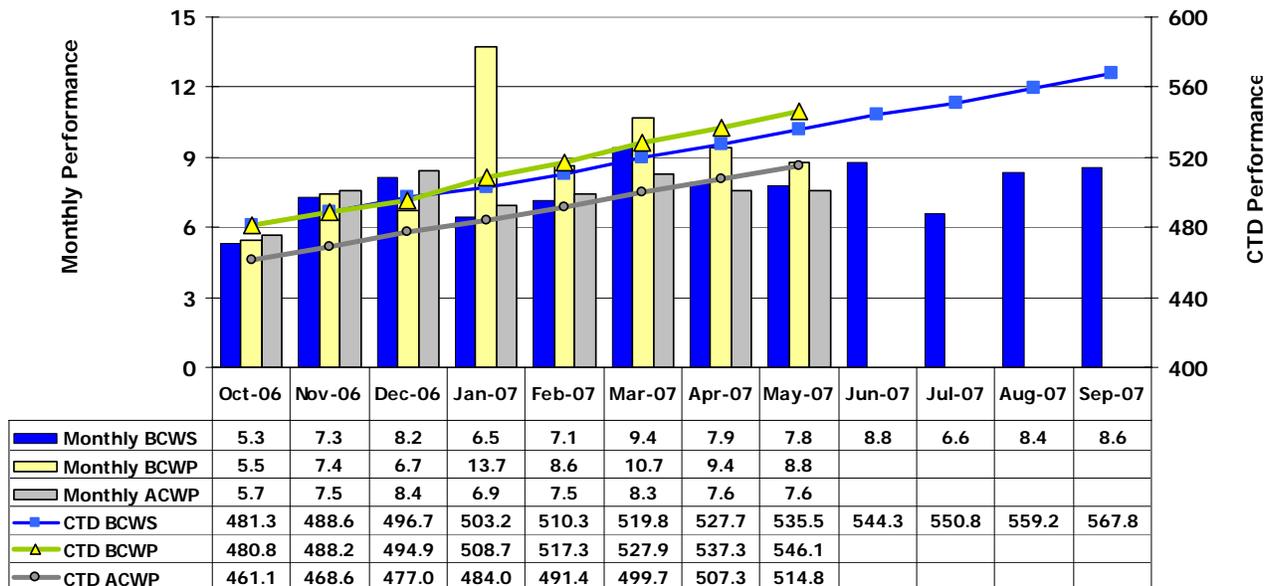
Schedule/Cost Performance, continued

CTD Schedule Performance: (+\$10.7M/+2.0%): The positive schedule variance is due to accelerated progress on planning and glovebox cleanout in the 234-5Z facility, and associated apportioned support activities.

CTD Cost Performance: (+\$31.3M/+5.7%): The positive cost variance is due to:

- Work efficiencies in 234-5Z glovebox cleanout and apportioned support activities.
- Favorable solid waste disposition rates.
- Completion of roof repair, MICON recabling, and special nuclear material (SNM) stabilization activities under cost.
- Efficiencies in miscellaneous materials disposition.
- Reduced resource requirements for SNM De-inventory and Disposition Planning, and
- Reduced overhead costs/allocations.

Performance Analysis CTD and Monthly (\$M)



Milestone Achievement

Number	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		Complete
TRP-07-503	241-Z Transitioned to Demolition Ready Condition	PI	6/30/07	3/29/07		Complete
TRP-07-504	241-Z Demolished to Slab-On-Grade	PI	9/30/07	6/8/07		Complete
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	PI	9/30/11	2/22/07		Complete
TRP-11-503	Complete Transition and Dismantlement of 241-Z Waste Treatment Facility	PI	9/30/11	6/8/07		Complete