

Nuclear Material Stabilization and Disposition (RL-0011)

D. B. Klos, Vice President of Plutonium
Finishing Plant Closure Project/
(509) 373-3574



Relocation of the D-9 tank to the SW corner of the PFP yard

Demolition of 241-Z Annex



Demolition of 241-ZB



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 April 2007.

Notable Accomplishments

Disposition the Plutonium Finishing Plant (PFP) Facility

- Completed leak test and annual maintenance on 100 9975 containers on April 23, a week ahead of schedule
- Continued 241-Z demolition activities
 - Completed relocation of Z9 tank to the southwestern corner of the PFP yard
 - Completed demolition of the 241-ZB structure
 - Completed demolition of the 241-Z Annex
 - Completed demolition of the 241-Z stack stairs
 - Completed demolition of the steam line over roadway
- Completed process equipment removal from glovebox 179-6
 - Non destructive assay (NDA) of the glovebox is underway and will be followed by pie-plating gloveports
 - Walk-down with RL is complete and the glovebox was accepted
- Process equipment removal from gloveboxes 227S and 230C4 is complete and both boxes have been NDA'd and pie-plated
- Completed removal of all process equipment from HC-11

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	\$ 98.0	\$ 0.3

Schedule/Cost Performance (\$M)

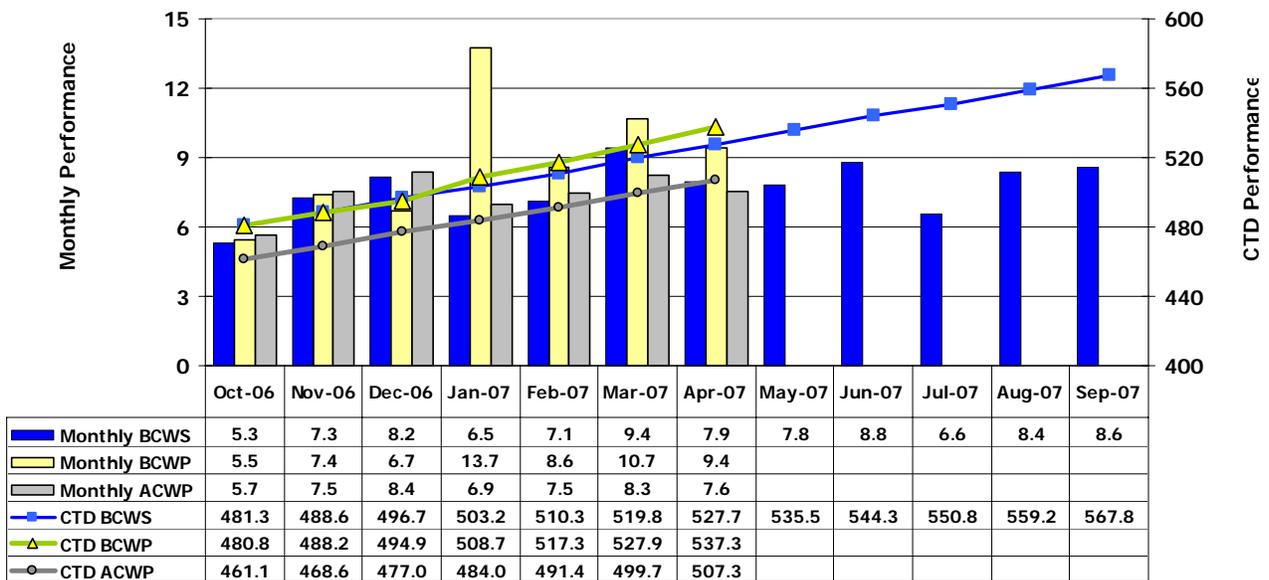
Nuclear Materials Stabilization & Disposition	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance \$	Schedule Variance %	Cost Variance \$	Cost Variance %	Budget At Completion (FY07/CTD)
Current Period (Month)	\$7.9	\$9.4	\$7.6	\$1.5	18.4%	\$1.8	19.5%	\$91.8
Cumulative to Date (FY 2004 - Present)	\$527.7	\$537.3	\$507.3	\$9.7	1.8%	\$30.1	5.6%	\$655.0

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

CTD Schedule Performance: (+\$9.7M/+1.8%): 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: (+\$30.1M/+5.6%): The positive cost variance is due primarily to work efficiencies in 234-5Z glovebox cleanout and apportioned support activities, favorable solid waste disposition rates, efficient roof repair, early completion of MICON recabling, early completion of special nuclear material (SNM) Stabilization, 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	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	3/29/07		Complete
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