

Nuclear Material Stabilization and Disposition (RL-0011)

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Completed annual aerosol testing of Filter Room 316



Continued progress on internal equipment cleanout of 234-5Z glovebox HA-23S



A demonstration of HUFP handling and equipment was held at Sandia



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 January 2008.

Notable Accomplishments

Disposition the Plutonium Finishing Plant (PFP) Facility

- Continued progress on internal equipment cleanout of 234-5Z glovebox HA-23S.
 - Completed size reduction of the Level 1 conveyor assembly and south side platform/sweep arm.
 - Initiated scaffold erection for Level 3 work.
 - Completed waste seal-out evolutions to remove packaged waste from the glovebox.
- Continued annual maintenance and leak test of 9975 containers.
 - Completed 118 in January bringing the total complete to 736 containers.
- Continued to package 3013 containers into the 9975 shipping containers.
- Continued prompt gamma measurements of 3013 containers, approximately 79 3013s remain (of over 900).
- Completed B-Acid line draining from the Plutonium Reclamation Facility header.
- Dispositioned 144 of the 146 comments on the Hanford Unirradiated Fuel Package (HUFP) Safety Analysis Report for Packaging (SARP).
- A demonstration of HUFP handling and equipment was held at Sandia.
- Completed annual aerosol testing of filter rooms 318, 313, and 316.

FY 2008 Funds vs. Spend Forecast (\$M)

	Projected FY 2008 Funding	FY 2008 Fiscal Year Spending Forecast	Variance
Nuclear Materials Stabilization and Disposition	\$ 102.8	\$ 104.3	\$ -1.5

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 (FY08/CTD)
Current Period (Month)	\$6.1	\$6.8	\$6.6	\$0.7	11.7%	\$0.1	2.0%	\$103.3
Cumulative to Date (FY 2004 - Present)	\$610.8	\$612.3	\$574.3	\$1.5	0.2%	\$38.0	6.2%	\$687.3

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

Schedule/Cost Performance, continued

CTD Schedule Performance: (+\$1.5M/+0.2%): The positive schedule variance is primarily the result of:

- Gains in FY08 maintenance activities due to increased availability of PFP nuclear chemical operator and craft support, good progress on the replacement of 234-5Z transmitters and controllers, and the recovery of FY07 vital safety systems (VSS) heating, ventilation, and air conditioning (HVAC) activities.
- Implementation of Baseline Change Request (BCR) to realign HUFPC container procurements. This is partially offset by a delay in initiating activities to establish lag storage.

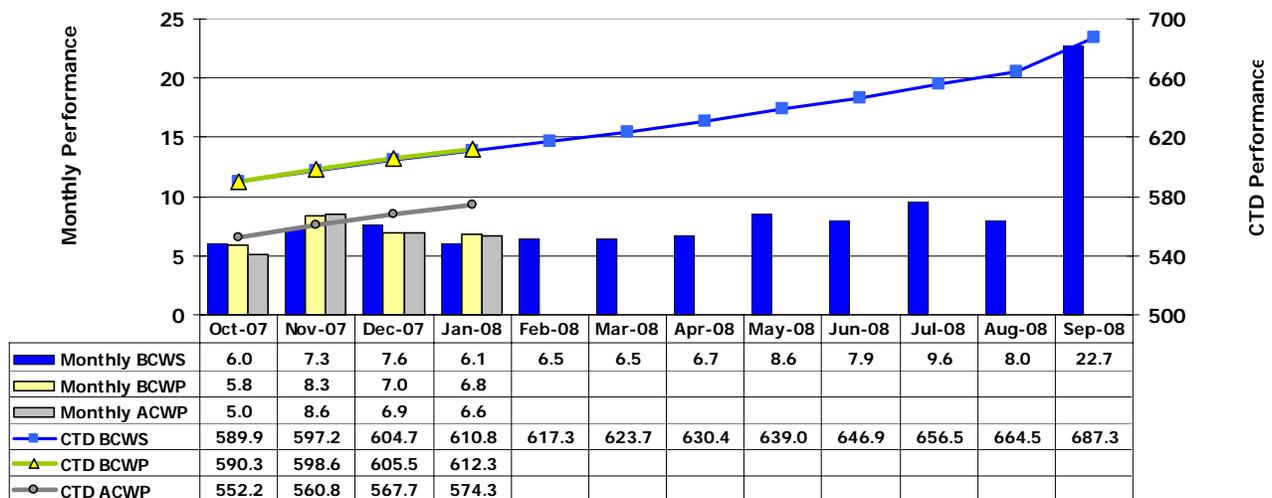
CTD Cost Performance: (+\$38.0M/+6.2%): The positive cost variance is due to:

- Higher-than expected labor rates and increased resources to support maintenance activities.
- A point adjustment associated with the implementation of a BCR to realign container procurements.

Partially offset by:

- Efficient performance associated with the internal clean out of Active Remote Mechanical A (RMA) glovebox HA-23-S and associated apportioned support.

Performance Analysis CTD and Monthly (\$M)



Milestone Achievement

Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement) milestones represent significant events in project execution. DOE Enforceable Agreement milestones were established to provide high-level visibility to critical deliverables and specific status on the accomplishment of these key events. The FY 2008 Enforceable Agreement milestone and Performance Incentives (PIs) information provided herein is based upon the current baseline including RL-approved changes. Changes from month-to-month in both the total number of milestones to be completed and in the forecast status of upcoming milestones are the result of BCRs approved during the reporting period.

Number	Milestone Title	Type	Due Date	Actual Date	Forecast Date	Status/Comments
TRP-08-004	Removal Action Work Plan for the 216-Z-9 Crib Complex Submitted to DOE	PI	9/30/2008		2/28/2008	Ahead of Schedule
TRP-08-005	Implement the Necessary Lay-up Activities to Place PFP in a Safe Configuration Until D&D Resumes	PI	9/30/2008	12/6/2007		Complete
TRP-08-006	Internal cleanout of up to 9 additional contaminated gloveboxes and glovebox HA-23	PI	9/30/2008		6/17/2008	Ahead of Schedule
TRP-08-025	Complete 216-Z-9 Facility Condition Analysis by 30 September 2008	PI	9/30/2008	12/6/2007		Complete
TRP-08-027	Complete internal cleanout of one 234-5Z glovebox/conveyer	PI	9/30/2008	11/13/2007		Complete
TRP-11-502	Complete Closure of the PFP 241-Z TSD Unit	PI	9/30/2011	2/22/2007		Complete
TRP-11-503	Complete Transition and Dismantlement of 241-Z Waste Treatment Facility	PI	9/30/2011	6/8/2007		Complete