

# Nuclear Facility Deactivation and Decommissioning (D&D), Remainder of Hanford (RL-0040)

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*Haul Road Construction  
(11-12-05)*



## Overview

This section addresses Project Baseline Summary (PBS) RL-0040, *Nuclear Facility Deactivation and Decommissioning (D&D), Remainder of Hanford*. There are three major components to this work scope:

- Deactivation and Decommissioning (M. B. Lackey);
- Waste Site Remediation (M. B. Lackey); and
- Reliability Projects (R. G. Slocum).

NOTE: Unless otherwise noted, all information contained herein is as of the end of October 2005.

## Notable Accomplishments

### PBS RL-0040, Nuclear Facility D&D, Remainder of Hanford

#### Remediation Projects:

##### U Plant Regional Closure

A Time-Critical Removal Action Memorandum (AM) for accelerating field work for barrier installation at 216-U-8 and 216-U-12 Cribs was approved by the State of Washington Department of Ecology (Ecology) on November 8, 2005.

Haul Road construction for transporting barrier material from Area C began in mid-October, and will continue into mid-December. Paving will be completed before or after the winter season, depending on ground temperatures and asphalt availability.

#### Closure Projects:

##### 200-SW-2 Radioactive/Nonradioactive Landfills and Dumps Group Operation Unit

Geophysical surveys were completed on eight burial grounds in the 200-SW-2 Radioactive/Nonradioactive Landfills and Dumps Group Operable Unit.

#### Reliability Projects:

##### Project L-304, Hanford Site Emergency Alerting System

Equipment for message reader boards and AM broadcast stations were installed. Operational and acceptance test procedures will begin in January 2006.

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

	Projected FY 2006 Funding	FY 2006 Fiscal Year Spend Forecast	Variance
RL-0040 Nuclear Facility D&D, Remainder of Hanford	\$ 63.5	\$ 63.5	\$ 0.0
<b>Total</b>	<b>\$ 63.5</b>	<b>\$ 63.5</b>	<b>\$ 0.0</b>

Numbers are rounded to the nearest \$0.1M.

## 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
RL-0040 Nuclear Facility D&D, Remainder of Hanford	\$2.7	\$3.4	\$2.8	\$0.7	24.7%	\$0.6	18.6%	\$47.5
<b>Total</b>	<b>\$2.7</b>	<b>\$3.4</b>	<b>\$2.8</b>	<b>\$0.7</b>	<b>24.7%</b>	<b>\$0.6</b>	<b>18.6%</b>	<b>\$47.5</b>

Numbers are rounded to the nearest \$0.1M.

**Schedule Performance (+\$0.7M/+24.7%):**

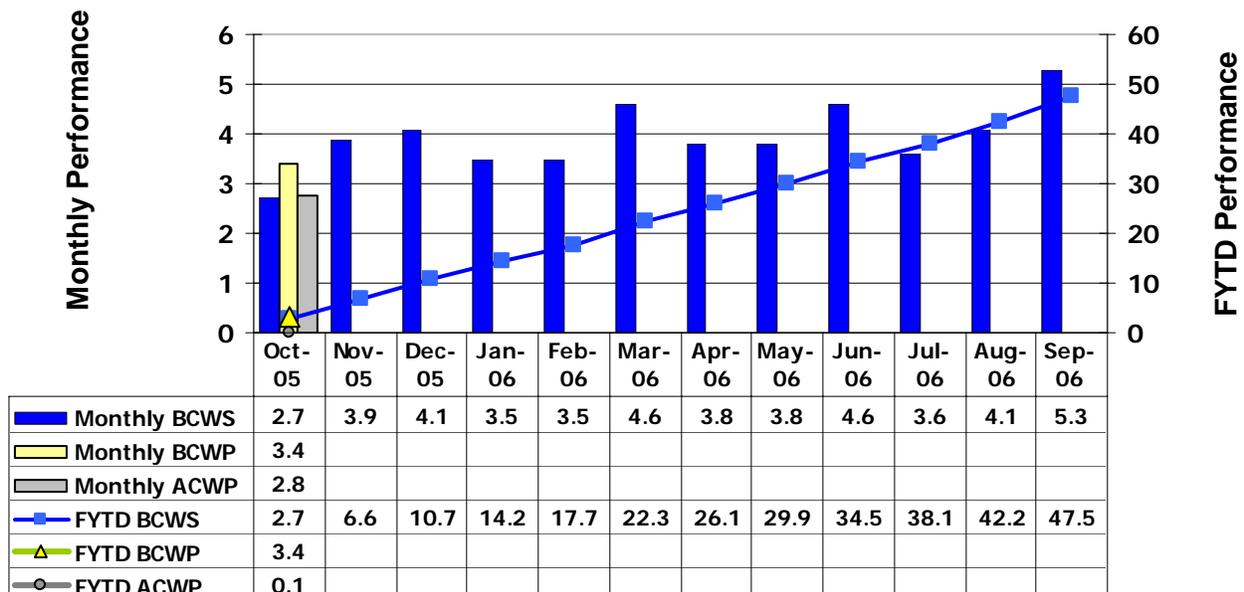
Closure Services and Infrastructures favorable SV (+\$0.7M) is due to completion of prior year carryover for L-573, Closure Support Facility.

**Cost Performance (+\$0.6M/+18.6%):**

The favorable CV for CPR (+\$0.5M) is primarily the result of Closure Projects completing the first three of seven chapters of the DQO report (200-IS-1) and the surface investigation/groundwater pump removal of 200-PW-1 Plutonium/Organic Rich Waste Group Operable Units for less than planned (+\$0.2). The favorable CV in Remediation Projects, D&D, and S&M were due to cost efficiencies (+\$0.3).

Closure Services and Infrastructure favorable CV is within thresholds; therefore no explanation is required (+\$0.1).

### Performance Analysis FYTD and Monthly (\$M)



## Milestone Achievement

PBS	MSN	Title	Type	Due Date	Actual Date	Forecast Date	Status / Comments
RL-0040	WMG-06-001 M-091-40L-008	M-91-40L.2.D Submit Quarterly Burial Ground Vent and substrate Sample	HQ	12/01/05			On schedule
RL-0040	TRP-04-324	Issue Action Memorandum for U Plant Ancillary Facilities	RL	12/31/05	01/23/04		Completed ahead of schedule
RL-0040	TRP-04-323	Issue Record-of-Decision for Canyon Disposition Initiative	RL	12/31/05			On schedule
RL-0040	TRP-03-260 M-015-46A	200 Area Chemical Lab Waste OUs Remedial Investigation Report.	HQ	02/28/06			On schedule
RL-0040	WMG-06-005 M-091-40L-009	M-91-40L.3.A Submit Quarterly Burial Ground Vent and substrate Sample	HQ	03/01/06			On schedule
RL-0040	TRP-03-248 M-020-39	Submit 216 S-10 Pond and Ditch Closure Plan to Ecology	HQ	03/31/06			On schedule
RL-0040	TRP-03-245 M-015-39C	Submit 200-CS-1 Chemical Sewer Group FS and Submit PP/Proposed RCRA Permit Mod	HQ	03/31/06			On schedule
RL-0040	TRP-04-320	Demolish Ten U Plant Ancillary Facility Structures	RL	03/31/06	09/07/05		Completed ahead of schedule
RL-0040	TRP-04-321	Demolish 10 B Plant Structures	RL	03/31/06	09/14/04		Completed ahead of schedule
RL-0040	TRP-03-257 M-020-33	Submit Closure/Post Closure Plans for 216-A-10 Crib, Etc.	HQ	04/30/06			On schedule
RL-0040	TRP-03-263 M-015-44A	200-MW-1 OU Remedial Investigation Report	HQ	04/30/06			On schedule
RL-0040	TRP-03-254 M-015-43C	Submit 200-PW-2 OU FS & Proposed Plan/Proposed RCRA Permit Mod	HQ	04/30/06			On schedule
RL-0040	WMG-06-006 M-091-40L-010	M-91-40L.3.B Submit Quarterly Burial Ground Vent and substrate Sample	HQ	06/01/06			On schedule
RL-0040	WMG-06-007 M-091-40L-011	M-91-40L.3.C Submit Quarterly Burial Ground Vent and substrate Sample	HQ	09/01/06			On schedule
RL-0040	TRP-03-266 M-015-46B	200 Area Chemical Laboratory Waste OUs Feasibility Study	HQ	09/30/06			On schedule
RL-0040	WDG-06-401	Remediate U Plant Area High RiskWaste Sites	RL	09/30/06			On schedule
RL-0040	TRP-04-322	Demolish 12 additional B Plant Structures	RL	09/30/06	09/14/04		Completed ahead of schedule
RL-0040	WMG-05-010 M-091-40J	M-91-40J Update 218-W-3A SAP	HQ	45 day before field work begins			On schedule
RL-0040	WMG-05-009 M-091-40I	M-91-40I Update 218-W-4B SAP	HQ	45 day before field work begins			On schedule