

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

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*Soil contamination monitoring prior to  
excavation for W-42 pipeline*



*L-325, A-8 Substation transformer  
foundation concrete work*

## 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:

- Central Plateau Remediation (CPR) (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 December 2005.

## Notable Accomplishments

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

#### Remediation Projects:

##### U Plant Waste Site Remediation

- A Time-Critical Removal Action (TCRA) Sample and Analysis Plan (SAP) was approved December 15, 2005, and a Removal Action Work Plan (RAWP) was approved January 3, 2006.
- TCRA field work removing W-42 pipe and other interferences began January 9, 2006.

##### Closure Projects

- The 200-PW-1 (216-Z-9 Slant borehole) contract was awarded December 14, 2005.
- The Initial High Resolution Resistivity (HRR) was completed around the A-4 crib.
- EPA signed a change notice for 200-MW-1 (216-A-4 borehole) and 200-PW-1 (Plutonium/Organic Operable Units) to align Remedial Investigation (RI) report with borehole issue resolution.

## 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	\$ 62.7	\$ 0.8
<b>Total</b>	<b>\$ 63.5</b>	<b>\$ 62.7</b>	<b>0.8</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	\$10.2	\$13.5	\$12.4	\$3.2	31.6%	\$1.1	8.2%	\$48.7
<b>Total</b>	<b>\$10.2</b>	<b>\$13.5</b>	<b>\$12.4</b>	<b>\$3.2</b>	<b>31.6%</b>	<b>\$1.1</b>	<b>8.2%</b>	<b>\$48.7</b>

Numbers are rounded to the nearest \$0.1M.

### Schedule Performance (+\$3.2M/+31.6%):

The unfavorable schedule variance for CPR (-\$0.1M) is due to delays in regulatory documentation and barrier design for U Plant Waste Sites. This is offset by completion of FY 2005 carryover workscope (+\$0.9M) PUREX NESHAPs, B Plant filter change out, and Ecological Sample Analysis (+\$0.6).

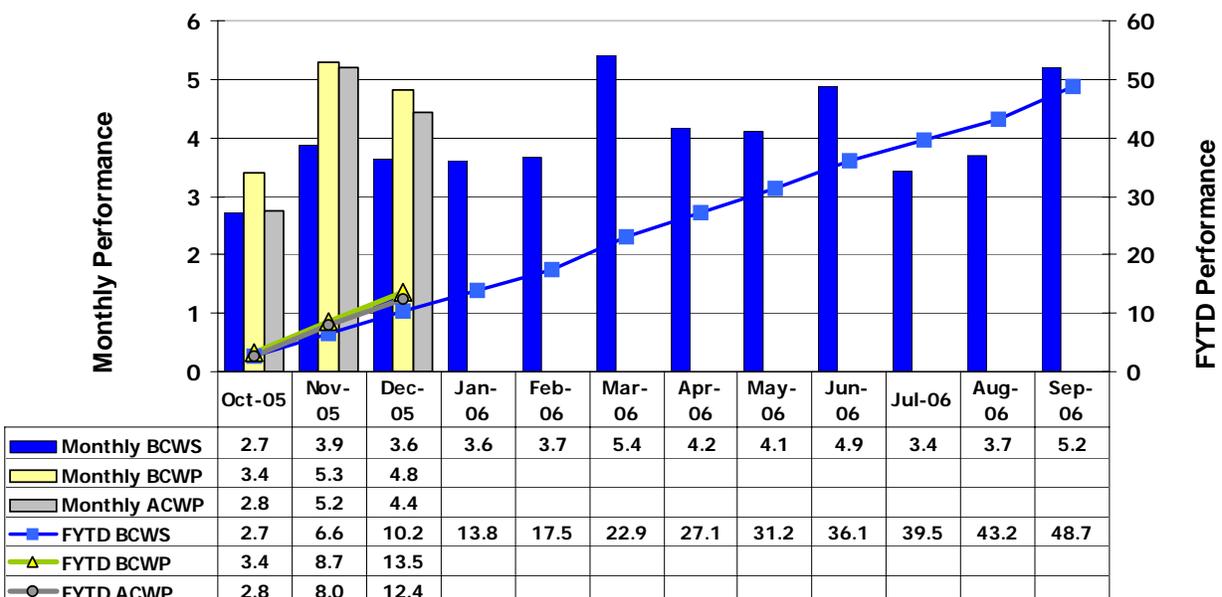
Closure Services and Infrastructures favorable SV (+\$3.3M) is primarily due to continuing progress on prior year carryover workscope L-325, "A-8 Substation," (\$2.6M), L-334, Minimize Potential Environmental Impact from Export Water System Ruptures, (+\$0.3M), L-580, Trunking Hanford's Secured Radio System (+\$0.2M), and L-304, Hanford Site Emergency Alerting System (+\$0.3M). This was offset by delay in award of contract for L-573, "Closure Support Facility," (-\$0.1M).

### Cost Performance (+\$1.1M/+8.2%):

The favorable CV for CPR (+\$0.9M) is primarily the result of Closure Projects completing the DQO report (200-IS-1), Closure Strategy documents, and 200-MW-1 High Resolution Resistivity (HRR) for less than planned, and efficiencies in the haul road mobilization.

The favorable CV for Closure Services and Infrastructure (+\$0.2M) is within thresholds; therefore no explanation is required.

### 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	11/08/05		Completed ahead of 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	10/03/06		Completed ahead of 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		01/12/07	TPA Change Request currently being negotiated to defer milestone 120 days as part of overall Waste Site Decision Strategy.
RL-0040	WDG-06-401	Remediate U Plant Area High Risk Waste 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