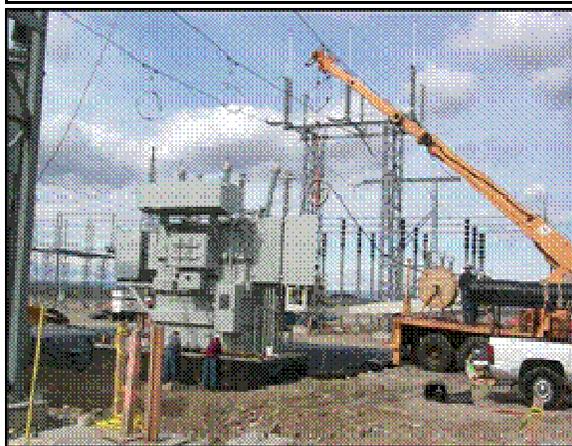
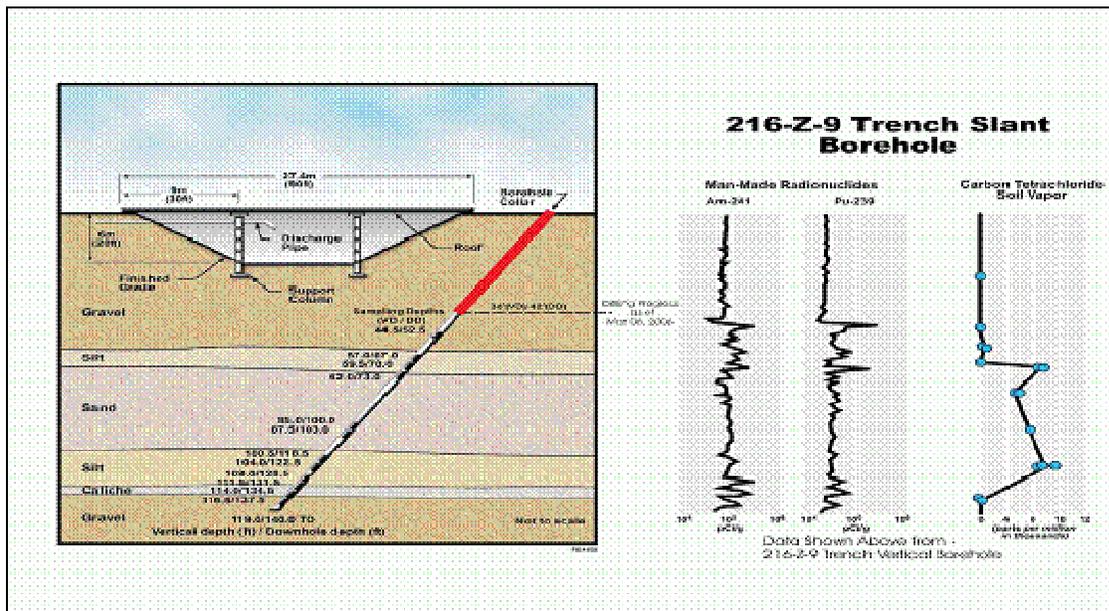


# Nuclear Facility Deactivation and Decommissioning (D&D), Remainder of Hanford (RL-0040)

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**Project L-325,  
Phase 1 A-0 Substation,  
Transformer**



**South Trench of  
W-42 Pipeline**

## 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 February 2006.

## Notable Accomplishments

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

#### Remediation Projects:

##### U Plant Waste Sites Remediation

- Time Critical Removal Action (TCRA) field work completed removal of the W-42 pipeline between the 216-U-8 and U-12 Cribs. Work is continuing on the north end of the U-8 Crib.
- Gained regulatory agreement to continue to process the 200-UW-1 Waste Sites Record of Decision as a CERCLA action with U-12 treatment, storage, and disposal (TSD) unit and 216-U-15 CERCLA past practice (CPP) unit excluded.

##### Closure Projects

- 216-Z-9 Slant Borehole (200-PW-1 Plutonium/Organic Rich Waste Group) drilling was initiated on February 14, 2006.
- RL transmitted the 200-LW-2 200 Area Chemical Lab Waste OUs Remedial Investigation [RI] Report to Ecology on February 28, 2006, completing Tri-Party Agreement (TPA) Milestone M-015-46a as scheduled.
- As of February 28, 2006, completed nine of twenty survey grids for the BC Controlled Area down posting.

#### Closure Services and Infrastructure Projects:

##### Project L-325, Phase 1, A-8 Substation

- Construction is approximately 85 percent complete
- All major equipment has been procured and is being installed
- First of two new transformers is fully energized and providing power to 200 East and West Areas

## 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	\$ 66.1	\$ 64.4	\$ 1.7
<b>Total</b>	<b>\$ 66.1</b>	<b>\$ 64.4</b>	<b>1.7</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	\$18.6	\$22.3	\$19.8	\$3.7	20.0%	\$2.5	11.2%	\$54.7
<b>Total</b>	<b>\$18.6</b>	<b>\$22.3</b>	<b>\$19.8</b>	<b>\$3.7</b>	<b>20.0%</b>	<b>\$2.5</b>	<b>11.2%</b>	<b>\$54.7</b>

Numbers are rounded to the nearest \$0.1M.

### Schedule Performance (+\$3.7M/+20.0%):

The favorable schedule variance (SV) for CPR (+\$0.3M) is primarily due to completion of FY 2005 carryover work scope: PUREX NESHAPs, B Plant filter change out, and Ecological Sample Analysis (+\$1.0M); and close out of post contract no action waste sites (+\$1.2M). This is offset by delays in regulatory documentation and barrier design for U Plant Waste Sites, and a delayed start of the haul road construction (-\$1.0M), and delays in DQOs for 200-SW-1 (-\$0.2M), not starting characterization in 200-IS-I (-\$0.4M), and delays in submittal of the 218-W-4B Sampling and Analysis Plan (SAP) due to resources supporting other project work scope (-\$0.2M).

The 200-UW-1 work scope is being resequenced to complete the pipeline removal while the ROD approval is obtained. The SV associated with the U8 & U12 barrier construction cannot be recovered. The 200-IS-1, tank characterization is not required because we are going to remove the tanks; a BCR is in process to delete the scope. The 218-W-4B SAP will be completed this fiscal year once the Z-9 slant borehole activities have been completed.

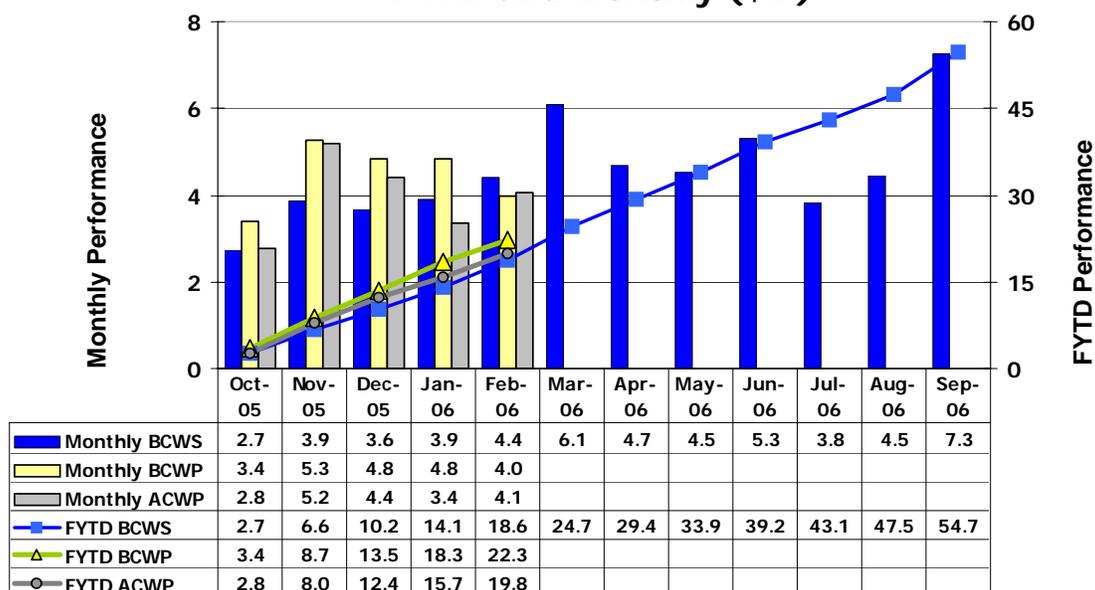
The favorable SV for Closure Services and Infrastructure (CSI) (+\$3.3M) is primarily due to continuing progress on prior year carryover work scope: L-325, "A-8 Substation" (\$3.2M), L-334, "Minimize Potential Environmental Impact from Export Water System Ruptures" (+\$0.4M), L-580, "Trunking Hanford's Secured Radio System" (+\$0.2M), and L-304, "Hanford Site Emergency Alerting System" (+\$0.5M). This was offset by delay in award of contract for L-573, "Closure Support Facility" (-\$0.5M), and L-325A, "Install Tie Line from A-8 to A-7 Substation Redesign" (-\$0.5M).

### Cost Performance (+\$2.5M/+11.2%):

The favorable cost variance (CV) for CPR (+\$2.4M) is primarily the result of closing out post contract period no action waste sites at no cost (+\$1.3M), completing the Data Quality Objectives (DQO) report for 200-IS-1, Tanks/Lines/Pits/Boxes Waste Group, and Closure Strategy documents for less than planned (+\$0.3M), efficiencies in the haul road mobilization (+\$0.3M), Surveillance & Maintenance (+\$0.2M), and resources supporting non D&D work scope (+\$0.2M).

The CVs for CSI (+\$0.0M) and Closure Services (+\$0.1M) are 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	02/28/06		Completed 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	03/15/06	02/09/09		Completed ahead of 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

## Milestone Achievement (continued)

PBS	MSN	Title	Type	Due Date	Actual Date	Forecast Date	Status / Comments
RL-0040	TRP-03-254 M-015-43C	Submit 200-PW-2 OU FS & Proposed Plan/Proposed RCRA Permit Mod	HQ	05/31/06			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	06/15/06		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	09/15/06		09/01/06	On schedule
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
RL-0040	TRP-04-322	Demolish 12 additional B Plant Structures	RL	09/30/06	09/14/04		Completed ahead of schedule
RL-0040	TRP-06-001 M-015-45A	Submit 200-PW-1 OU Remedial Investigation Report	HQ	10/31/06		10/31/06	On schedule
RL-0040	TRP-03-266 M-015-46-B	200 Area Chemical Laboratory Waste Ous Feasibility Study	HQ	11/30/06		11/30/06	On schedule
RL-0040	WMG-07-001 M-091-40L-012	M-91-40L.3.B Submit Quarterly Burial Ground Vent and substrate Sample	HQ	12/15/06		12/01/06	On schedule