

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

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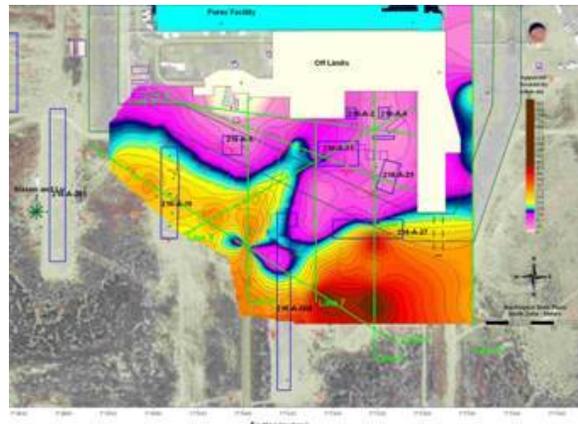
Breaking up 100' x 150' Concrete Slab
with Concrete Cracker



L-325, A-8 Substation,
renovation 90 percent complete



High-Resolution Resistivity
batteries and cables at
BC Crib & Trenches



200-MW-1 200 Area
Miscellaneous Waste Group

Overview

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

- Central Plateau Remediation (CPR) (M. B. Lackey), and
- Reliability Projects (R. G. Slocum).

NOTE: Unless otherwise noted, all information contained herein is as of the end of March 2006.

Notable Accomplishments

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

Remediation Projects:

U Plant Waste Sites Remediation

- Working 200-UW-1 U Plant Waste Sites Action Memorandum (AM) for removal of 200-W-42 vitrified clay pipeline (VCP) and other interferences with proposed barrier placement on 216-U-8 and 216-U-12 Cribs
 - Excavated and installed ~840' Treated Effluent Disposal Facility (TEDF) piping
 - Excavated and removed ~850' 200-W-42 VCP Piping
 - Removed and sealed three vents/risers in 216-U-12 Crib
 - Broke-up 100' x 150' concrete slab and transported to Environmental Restoration Disposal Facility (ERDF)
 - Obtained concurrence to remove remaining 200-W-42 VCP piping
 - Obtained concurrence for simple soil cover design for 216-U-12 crib barrier
 - Paved haul road and installed Rattlesnake Barricade inspection station

Closure Projects

- 216-Z-9 Slant Borehole (200-PW-1 Plutonium/Organic Rich Waste Group) drilling was initiated on February 14, 2006. As of April 19, 2006, borehole depth was 124.5 ft.
 - Eight of the 12 soil samples have been collected for laboratory analysis
 - Five of the nine soil vapor samples have been collected and analyzed using field screen instruments
 - Total depth for the borehole is anticipated to be approximately 140 feet (120 vertical feet)

CERCLA Decision Documents

- Completed 200-CS-1, Chemical Sewer Group, Feasibility Study (FS)/Proposed Plan (PP) Draft A (M-15-39C) and 216-S-10 Pond and Ditch Closure Plan (M-20-39)

Closure Services and Infrastructure Projects:

- Project L-325, Phase 1, A-8 Substation Construction is approximately 90 percent complete
 - First of two new transformers is fully energized and providing power to 200 East and West Areas
 - Construction scheduled to be complete April 30, 2006
- Awarded contract for procurement of regulated vacuum truck

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	\$ 64.5	\$ 1.6
Total	\$ 66.1	\$ 64.5	\$ 1.6

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	\$24.7	\$28.1	\$21.6	\$3.5	14.0%	\$6.5	23.3%	\$54.9
Total	\$24.7	\$28.1	\$21.6	\$3.5	14.0%	\$6.5	23.3%	\$54.9

Numbers are rounded to the nearest \$0.1M.

Schedule Performance (+\$3.5M/+14.0%):

The unfavorable schedule variance (SV) for Central Plateau Remediation (CPR) (-\$0.4M) is primarily due to delays in regulatory documentation and barrier design for U Plant Waste Sites (-\$0.7M), delays in Data quality objectives (DQOs) for 200-SW-1(-\$0.3M), not starting characterization in 200-IS-1 (-\$0.8M), and delays in submittal of the 218-W-4B Sampling and Analysis Plan (SAP) due to resources supporting other project work scope (-\$0.1M), delays in other regulatory documents (-\$0.3M). This is offset by completion of FY 2005 carryover work scope: PUREX NESHAPs, B Plant filter change out, and Ecological Sample Analysis (+\$0.6M); and close out of post contract no action waste sites (+\$1.2M).

The 200-UW-1 work scope is being resequenced to complete the pipeline removal while the Record of Decision (ROD) approval is obtained. The SV associated with the 216-U-8 & 216-U-12 barrier construction cannot be recovered. The 200-IS-1, tank characterization is not required; a Baseline Change Request (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.

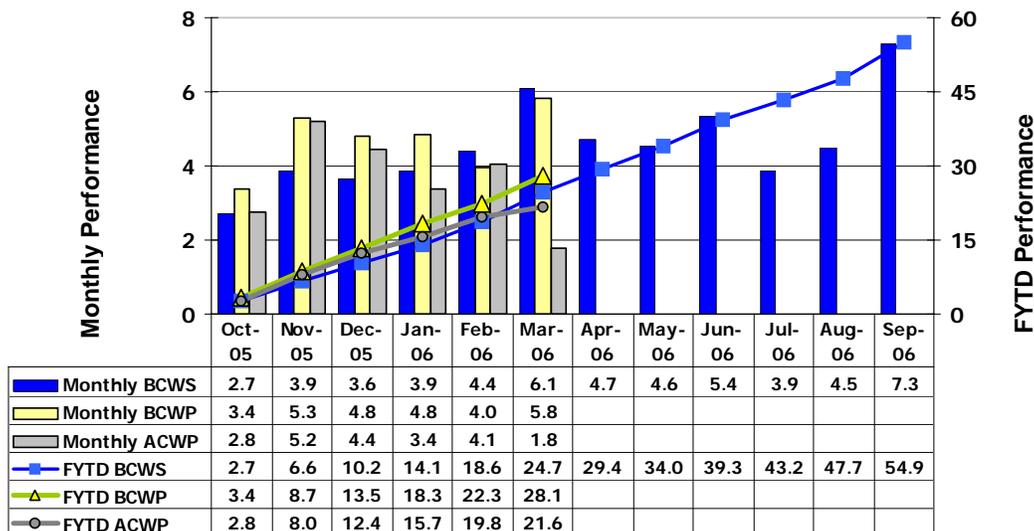
The favorable SV for Closure Services and Infrastructure (CSI) (+\$3.9M) is primarily due to continuing progress on prior year carryover work scope: L-325, "A-8 Substation" (\$3.2M), L-334, "Minimize Potential Environmental Impact from Export Water System Ruptures" (+\$0.4M), L-580, "Trunking Hanford's 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" (-\$0.4M).

Cost Performance (+\$6.5M/+23.3%):

The favorable cost variance (CV) for CPR (+\$6.1M) is primarily the result of closing out post-contract period no action waste sites at no cost (+\$1.7M), efficiencies in the haul road mobilization (+\$0.5M), Surveillance and Maintenance (+\$0.2M), resources supporting non-D&D work scope (+\$0.3M), and a variance distribution for PBS RL-40 was credited to subproject (\$3.4M).

The CV for CSI (+\$0.4M) is within thresholds; therefore no explanation is required.

Performance Analysis FYTD and Monthly (\$M)



Milestone Achievement

MSN	Title	Type	Due Date	Actual Date	Forecast Date	Status / Comments
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
TRP-04-324	Issue Action Memorandum for U Plant Ancillary Facilities	RL	12/31/05	01/23/04		Completed ahead of schedule
TRP-04-323	Issue Record-of-Decision for Canyon Disposition Initiative	RL	12/31/05	10/03/05		Completed ahead of schedule
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
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
TRP-03-248 M-020-39	Submit 216 S-10 Pond and Ditch Closure Plan to Ecology	HQ	03/31/06	03/30/06		Completed ahead of schedule
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	03/30/06		Completed ahead of schedule
TRP-04-320	Demolish Ten U Plant Ancillary Facility Structures	RL	03/31/06	09/07/05		Completed ahead of schedule
TRP-04-321	Demolish 10 B Plant Structures	RL	03/31/06	09/14/04		Completed ahead of schedule
TRP-03-257 M-020-33	Submit Closure/Post Closure Plans for 216-A-10 Crib, Etc.	HQ	04/30/06	04/27/06		Completed ahead of schedule
TRP-03-263 M-015-44A	200-MW-1 OU Remedial Investigation Report	HQ	04/30/06	04/28/06		Completed ahead of schedule

Milestone Achievement (continued)

MSN	Title	Type	Due Date	Actual Date	Forecast Date	Status / Comments
TRP-03-254 M-015-43C	Submit 200-PW-2 OU FS & Proposed Plan/Proposed RCRA Permit Mod	HQ	05/31/06			On schedule
WMG-06-006 M-091-40L-010	M-91-40L.3.B Submit Quarterly Burial Ground Vent and substrate Sample	HQ	06/15/06			On schedule
WMG-06-007 M-091-40L-011	M-91-40L.3.C Submit Quarterly Burial Ground Vent and substrate Sample	HQ	09/15/06			On schedule
TRP-04-322	Demolish 12 additional B Plant Structures	RL	09/30/06	09/14/04		Completed ahead of schedule
WMG-05-010 M-091-40J	M-91-40J Update 218-W-3A SAP	HQ	45 days before field work begins			On schedule
WMG-05-009 M-091-40I	M-91-40I Update 218-W-4B SAP	HQ	45 days before field work begins			On schedule
TRP-04-322	Demolish 12 additional B Plant Structures	RL	09/30/06	09/14/04		Completed ahead of schedule
TRP-06-001 M-015-45A	Submit 200-PW-1 OU Remedial Investigation Report	HQ	10/31/06		10/31/06	On schedule
TRP-03-266 M-015-46-B	200 Area Chemical Laboratory Waste Ous Feasibility Study	HQ	11/30/06		11/30/06	On schedule
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