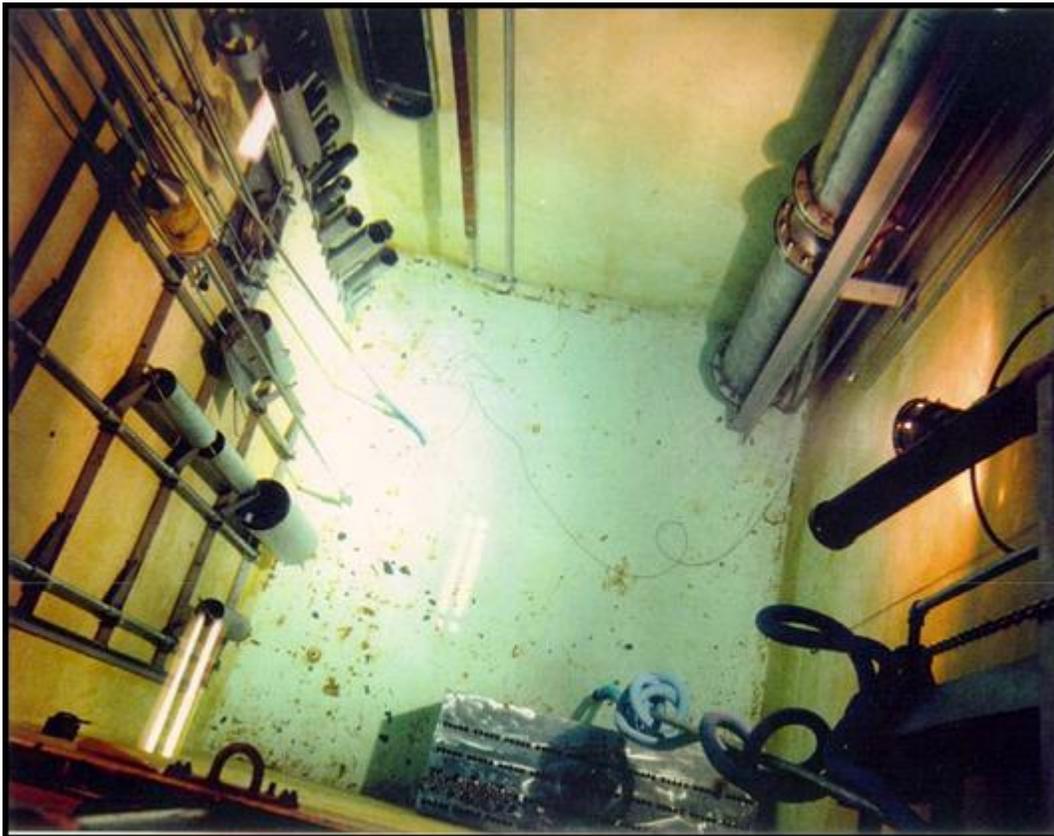


Nuclear Facility Deactivation and Decommissioning (D&D), Remainder of Hanford (RL-0040); and River Corridor Closure Project (RL-0041)

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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 (M. M. Belles).

This section also includes PBS RL-0041, *Nuclear Facility D&D, River Corridor Closure Project*, until this work scope transitions to the River Corridor Contractor (M. B. Lackey).

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

Notable Accomplishments

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

Deactivation and Decommissioning:

U Plant Demolition Project: Demolition preparation, transite removal, and asbestos abatement activities continued for the U Plant Ancillary facilities. Demolition was completed on 272U Building; seven of ten structures have been completed to date. Forecast completion is July 2005, eight months ahead of schedule.

Waste Site Remediation:

200 Area Remedial Investigation/Feasibility Study (RI/FS) Work: Drilling and sampling were completed and the borehole was decommissioned at 216-T-33 Crib in the 200-MW-1 Miscellaneous Waste Group Operable Unit on February 10, 2005. Drilling was initiated at the 216-Z-7 Crib in the 200-LW-1/200-LW-2 Chemical Waste Group Operable Units on February 7, 2005.

The first Ecological Data Quality Objective meeting for Phase II sampling was on held on February 3, 2005, with members of Fluor Hanford (FH), DOE-RL (RL), the Hanford Advisory Board, and the Trustees.

Collaborative meetings between FH, RL, and the U.S. Department of Ecology (Ecology) on the 200-SW-1/200-SW-2 Nonradiological and Radiological Solid Waste Operable Units were initiated February 3, 2005, and are planned through the end of March 2005.

U Plant Regional Closure:

The Auger drilling in support of surface barrier remedial design was initiated February 24, 2005 and completed ten days ahead of schedule on March 15, 2005. The Sampling and Analysis Plan, Rev. 0 was submitted to RL on March 2, 2005. The internal review of the Remedial Design Report/Removal Action Work Plan (RDR/RAWP) pre-decisional draft was kicked off on March 8, 2005. The Focused Feasibility Study, Rev. 0, was submitted to RL on March 15, 2005.

BC Cribs and Trenches: The BC Cribs and Trenches cap design was initiated on February 14, 2005. The High Resolution Resistivity (HRR) started on March 10, 2005.

Notable Accomplishments, continued

Reliability Projects:

A-8 Substation: Demolition of the Emergency Decontamination Facility was begun on February 9, 2005.

PBS RL-0041, Nuclear Facility D&D, River Corridor Closure Project

Uranium Disposition: Through February, the River Corridor Closure (RCC) Project shipped a total of 500 boxes of uranium fuel. As of March 29, 2005, another 240 boxes had been shipped for a cumulative total of 740 boxes. The Safety Analysis Report for Packaging (SARP) for shipment of 1.25% enriched uranium fuel was approved by DOE on March 3, 2005.

Special Case Waste: The process of retrieving cans located on the floor of the storage unit was initiated. Three cans were retrieved during the month of February. Additional tooling design will be required to retrieve the remaining cans. Fabrication of the shielding for the Ion Exchange Column was initiated.

300 Area D&D: Demolition of 3768 Building in the 300 Area was completed; 12 structures have been completed to date in the 300 Area. Demolition preparation and asbestos abatement in structures 3762 and 3764 began on February 2, 2005. Direction to demolish three additional structures (3506A, 3506B, and 3701U) was received. This work is forecast to begin in early May 2005.

FY 2005 Funds vs. Spend Forecast (\$M)

	Projected FY 2005 Funding	FY 2005 Fiscal Year Spend Forecast	Variance
RL-0040 Nuclear Facility D&D, Remainder of Hanford	\$ 79.9	\$ 79.1	\$ 0.9
RL-0041 Nuclear Facility D&D, River Corridor Closure	\$ 19.7	\$ 17.8	\$ 2.0
Total	\$ 99.7	\$ 96.8	\$ 2.8

FY 2005 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	\$25.8	\$26.3	\$25.5	\$0.5	1.8%	\$0.8	3.2%	\$76.8
RL-0041 Nuclear Facility D&D, River Corridor Closure	\$6.5	\$6.8	\$6.1	\$0.3	5.3%	\$0.8	11.4%	\$19.4
Total	\$32.3	\$33.1	\$31.5	\$0.8	2.5%	\$1.6	4.8%	\$96.1

Numbers are rounded to the nearest \$0.1M.

FY 2005 Schedule/Cost Performance, continued

Schedule Performance (+\$0.8M/+2.5%):

The Waste Sites unfavorable schedule variance (SV) (-\$1.4 million [M]) is due to higher dose/contamination levels encountered during borehole drilling, U Zone waste sites barrier design, construction behind baseline schedule, and the document approval process taking more time than planned. This is offset by favorable progress on D&D activities (\$0.6M).

The favorable SV (+\$1.4M) in Reliability Projects is due to progress in completing FY 2004 carryover work scope (+\$5.6M), offset by delays in initiating new starts due to continuing resolution and pending funding decisions related to the Integrated Priority List (-\$4.2M).

Impacts/Mitigation activities:

Waste Site Remediation:

- The higher dose/contamination levels remains a risk for future field investigations. Management Assessment opportunities for improvement are being implemented.
- No impact in the U Zone waste sites, working schedule reflects completion by end of FY 2006.
- Replanning of the Waste Site Operable Units to incorporate Lessons Learned and standardize content is in process.
- \$2.4M of FY 2005 work scope is projected to carry over into FY 2006; excludes work scope to be deferred as a result of the FY 2005 funding reductions (BCR RL-2005-008, Fiscal Year 2005 Baseline Alignment for the 2035 Control Point).

Reliability Projects:

- Prior year work scope will be completed by yearend.
- \$2.6M of FY 2005 work scope projected to carry over into FY 2006; excludes work scope to be deferred as a result of the FY 2005 funding reductions (BCR RL-2005-008, Fiscal Year 2005 Baseline Alignment for the 2035 Control Point).
- Internal reprioritization of work scope to offset shortfalls in carryover work scope was impacted by recent IPL decisions.

RL-0041 – The favorable SV is due to Uranium Shipments being accomplished ahead of plan.

Cost Performance (+\$1.6M/+4.8%):

RL-40 – The favorable cost variance (CV) is primarily due to D&D (+\$2.1M) due to efficiencies in characterization, demolition activities, and Program Management and Support (+\$0.6M). This is offset by the Wastes Sites overrun (-\$1.5M) due to encountering higher than expected dose/contamination levels, and support to the document approval process.

The unfavorable CV (-\$.04M) in Reliability Project L-334, "Minimize Potential Environmental Impacts from Export Water System Ruptures," and L-376, "Facility Safety and Efficiency Renovations" cost increases are due to nation wide increase in cost of steel and large fabricated parts.

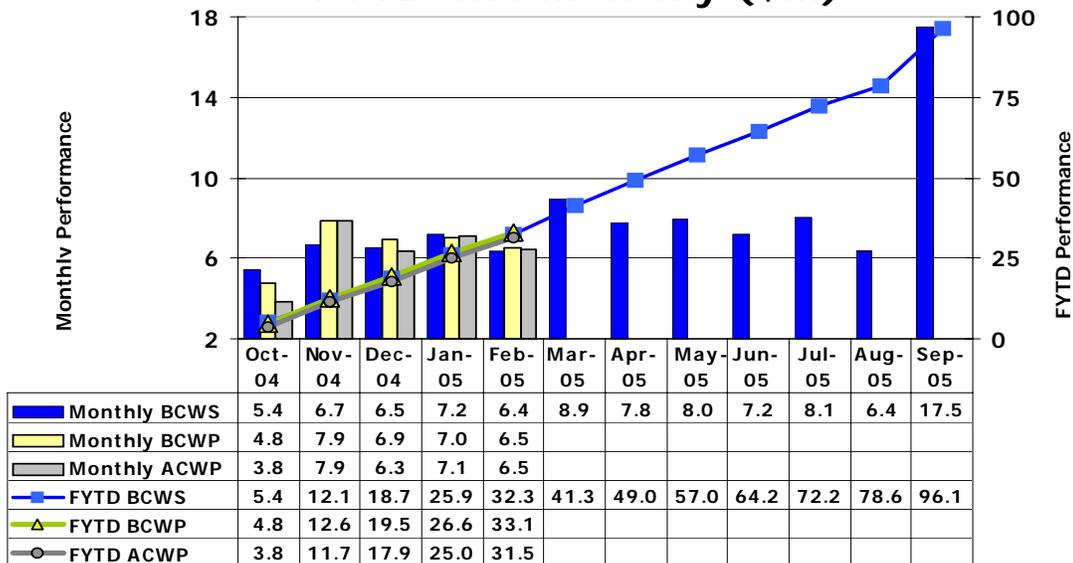
Impacts/Mitigation activities:

- New waste site Record of Decision (ROD) strategy will save Feasibility Study/Project Plan document preparation cost.
- Reliability Projects forecast \$0.6M yearend overrun; funds of \$510K have been received to offset cost but no additional BCWS has been received.

RL-0041 - The favorable CV is due to continued productivity for 300 Area S&M, Uranium Disposition, and 300 Area TEDF.

FY 2005 Schedule/Cost Performance, continued

Performance Analysis FYTD and Monthly (\$M)



Milestones

MSN	Title	Type	Due Date	Actual Date	Forecast Date	Status / Comments
TRP-03-242 M-015-40C	Submit 200-CW-5 U Pond/Z Ditches Cooling Water Group FS & Submit	HQ	10/31/04	10/29/04		Completed ahead of schedule
WMG-05-001 M-091-40L-004	M-91-40L.1.D Submit Quarterly Burial Ground Vent and substrate Sample	HQ	12/01/04	11/12/04		Completed ahead of schedule
TRP-03-139 M-013-000	Submit 1 200 NPL RI/FS (RFI/CMS) Work Plan	HQ	12/31/04	12/20/04		Completed ahead of schedule
WMG-04-009 M-091-40K	M-91-40K Update 218-E-12B SAP	HQ	01/15/05	08/24/04		Completed ahead of schedule
WMG-05-010 M-091-40J	M-91-40J UPDATE 218-W-3A SAP	HQ	45 day before field work begins			On schedule
WMG-05-005 M-091-40L-005	M-91-40L.2.A Submit Quarterly Burial Ground Vent and substrate Sample	HQ	03/01/05	02/17/05		Completed ahead of schedule
WMG-05-009 M-091-40I	M-91-40I Update 218-W-4B SAP	HQ	45 day before field work begins			On schedule
WMG-05-006 M-091-40L-006	M-91-40L.2.B Submit Quarterly Burial Ground Vent and substrate Sample	HQ	06/01/05			On schedule
WMG-05-007 M-091-40L-007	M-91-40L.2.C Submit Quarterly Burial Ground Vent and substrate Sample	HQ	09/01/05			On schedule
TRP-03-260 M-015-46A	200 Area Chemical Lab Waste OUs Remedial Investigation Report.	HQ	10/31/05			On schedule
TRP-03-248 M-020-39	Submit 216 S-10 Pond and Ditch Closure Plan to Ecology	HQ	11/30/05			On schedule

Milestones, continued

MSN	Title	Type	Due Date	Actual Date	Forecast Date	Status / Comments
TRP-03-245 M-015-39C	Submit 200-CS-1 Chemical Sewer Group FS and Submit PP/Proposed	HQ	11/30/05			On schedule
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
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			On schedule
TRP-03-257 M-020-33	Submit Closure/Post Closure Plans for 216-A-10 Crib, Etc.	HQ	12/31/05			On schedule
TRP-03-263 M-015-44A	200-MW-1 OU Remedial Investigation Report	HQ	12/31/05			On schedule
TRP-03-254 M-015-43C	Submit 200-PW-2 OU FS & Proposed Plan/Proposed RCRA Permit Mod	HQ	12/31/05			On schedule
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
TRP-04-320	Demolish Ten U Plant Ancillary Facility Structures	RL	03/31/06	07/31/05		Forecast Ahead of Schedule
TRP-04-321	Demolish 10 B Plant Structures	RL	03/31/06	09/14/04		Completed ahead of schedule
TRP-04-325	Package, Ship and Dispose of Remaining N Reactor Fuel	RL	03/31/06			On schedule
WMG-06-006 M-091-40L-010	M-91-40L.3.B Submit Quarterly Burial Ground Vent and substrate Sample	HQ	06/01/06			On schedule
WMG-06-007 M-091-40L-011	M-91-40L.3.C Submit Quarterly Burial Ground Vent and substrate Sample	HQ	09/01/06			On schedule
TRP-03-266 M-015-46B	200 Area Chemical Laboratory Waste OUs Feasibility Study	HQ	09/30/06			On schedule
WDG-06-402	Remediate BC Cribs and Trenches	RL	09/30/06			On schedule
WDG-06-401	Remediation of U Plant Area Waste Sites	RL	09/30/06			On schedule
TRP-04-322	Demolish 12 additional B Plant Structures	RL	09/30/06	09/14/04		Completed ahead of schedule
TRP-04-326 M-092-06-T02	Complete the Disposal/Disposition of Un-Irradiated Metal Fuel	RL	09/30/06			On schedule