

Central Plateau Remediation Project

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Aerial view of
233-S Facility

Decontamination
work in 233-S Facility



OVERVIEW

The Central Plateau Remediation Project (CP) is responsible for work scope included in Project Baseline Summaries (PBSs) RL-CP01, *200 Area Remediation*; RL-RC06, *300 Area Facility Transition*; RL-RS01, *South Hanford Industrial Area*; RL-SC01, *Near Term Stewardship*; RL-SS03, *Groundwater Management and Monitoring*; and RL-SS04, *Groundwater Vadose Zone Integration*.

- PBS RL-CP01, *200 Area Remediation*, consists of Project Management and Support, CP Facility Surveillance and Maintenance, CP Facility Transition, CP Facility Decontamination and Decommissioning (D&D), the Equipment Disposition Project and CP Waste Site Remediation.
- PBS RL-RC06, *300 Area Facility Transition*, consists of 324 and 327 Facility Safe Shutdown, Miscellaneous Radiological Facilities Deactivation, and Project Management and Support. The FH Contract includes these activities through July 23, 2003.
- PBS RL-RS01, *South Hanford Industrial Area*, consists of Facility Closure, Waste Site Remediation, Facility and Waste Site Surveillance and Maintenance, and Project Management and Support.
- PBS RL-SC01, *Near Term Stewardship*, consists of Stewardship Records/Information Management and Stewardship Strategic Planning and Requirements.
- PBS RL-SS03, *Groundwater Management and Monitoring*, consists of Long Term Monitoring, Groundwater Management and Monitoring, 100/200 Area Groundwater Remediation, Eliminate Artificial Recharge Conditions, and Project Management and Support.
- PBS RL-SS04, *Groundwater Vadose Zone Integration*, consists of Management and Integration, Science and Technology, System Assessment Capability, and Characterization.

NOTE: Unless otherwise noted, all information contained herein is as of the end of June 2003.

NOTABLE ACCOMPLISHMENTS

200 Area Remediation: Received approval from RL to downgrade the 233-S Plutonium Facility to less than Hazard Category 3 (July 10, 2003). RL transmitted the U Plant Closure Area Waste Sites Focused Feasibility Study, Draft A (DOE/RL-2003-23), and the Proposed Plan, Draft A (DOE/RL-2003-24) to the Environmental Protection Agency and the Washington State Department of Ecology on June 27, 2003, completing Tri-Party Agreement (TPA) Milestone M-015-47 three days ahead of schedule.

Groundwater/Vadose Zone Integration: The "Project Highlights" section of the Hanford Site Groundwater Protection Program website (<http://www.hanford.gov/cp/gpp/>) has been updated. In addition, the [100 Area Pump and Treat Annual Summary Report](#) and the [In-Situ Redox Manipulation Annual Summary Report](#) for 2002 have been issued and added to the website.

FY 2003 SCHEDULE/COST PERFORMANCE (\$'000)

		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-RC06	300 Area Facility Transition	18,463	18,152	16,374	-312	-2%	1,778	10%	20,310
RL- RS01	South Hanford Industrial Area Cleanup	177	190	145	13	7%	45	23%	253
RL- CP01	200 Area Remediation	23,108	21,184	23,951	-1,924	-8%	-2,767	-13%	30,336
RL- SS03	Groundwater Management & Monitoring	15,135	13,822	12,755	-1,313	-9%	1,067	8%	22,105
RL-SS04	Groundwater/Vadose Zone Protection	2,539	2,394	2,285	-145	-6%	108	5%	3,180
RL- SC01	Near Term Stewardship Records & Inf. Mgmt.	1,861	1,635	1,537	-226	-12%	98	6%	2,519
Total Central Plateau Project		61,283	57,376	57,048	-3,907	-6%	328	1%	78,703

NOTE: FH contract only includes PBS RL-RC06, 300 Area Facility Transition work scope through July 23, 2003

Schedule Performance (-\$3,907K): The unfavorable variance within PBS CP01 is the result of Facilities 233 S/SA decontamination effort being much more extensive than planned. The removal of waste and decontamination has delayed the commencement of D&D activities. Delays have also been experienced within the Waste Site Remediation element of this PBS where characterization/borehole drilling activities are behind schedule due to later-than-planned start and re-sequencing of the work within the fiscal year. Some work scope (~\$430K) will be carried into FY 2004.

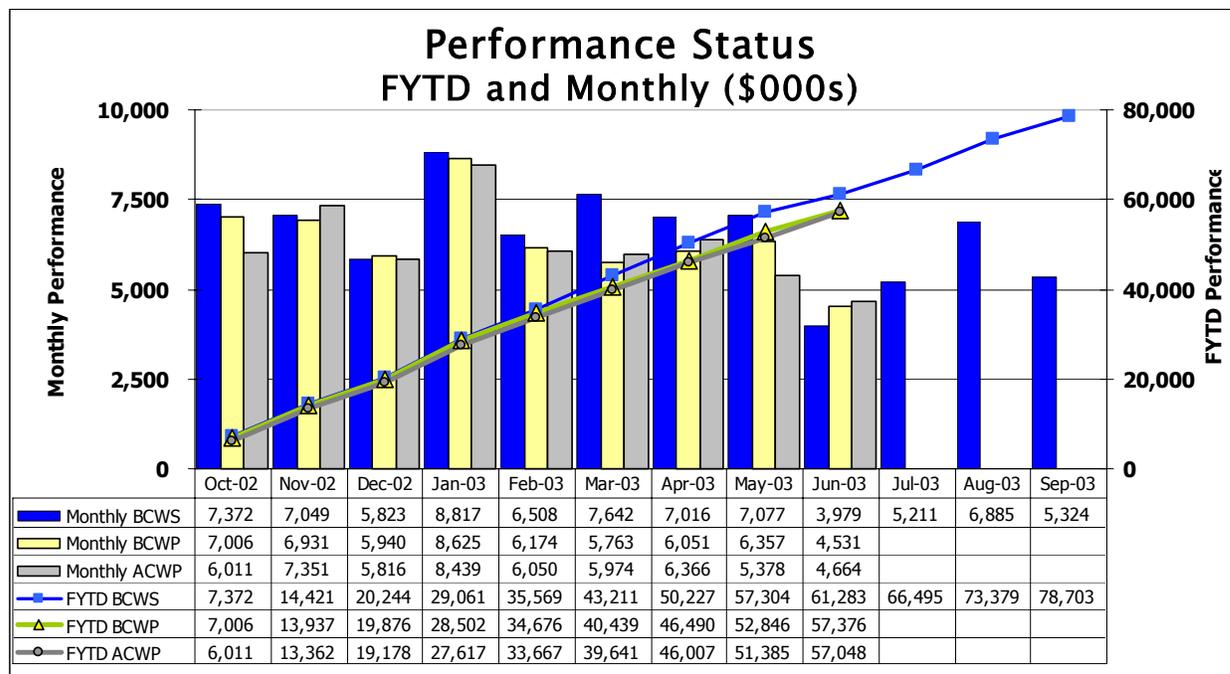
The unfavorable variance within PBS SS03 is the result of a delay in selection of groundwater remediation treatment options, delay in award of a well decommissioning subcontract, and delays in the Modutank closure due to delays in Regulator approval of the remediation plan. Approximately \$1.1M in carryover into FY 2004 is projected.

FY 2003 SCHEDULE/COST PERFORMANCE (CONTINUED)

Cost Performance \$328K: The favorable variance within PBS RC06 is primarily the result of a change in approach in the cleanout of the 324 Shielded Materials Facility whereby work progress was performed for less-than-planned resources. Other efficiencies in labor and materials have added to the positive cost trend.

The unfavorable variance within PBS CP01 is the result of the extended effort to prepare 233 S/SA for D&D and the direction of additional labor resources to the project. The variance is not recoverable and this trend is expected to increase until completion of the project.

The favorable variance within PBS SS03 is due to the performance of work with less-than-planned staff and efficiencies realized in material purchases.



MILESTONE ACHIEVEMENT

MSN	Title	Type	Due Date	Actual Date	Forecast Date	Status/Comments
TRP-03-203 M-15-41B	Submit 200-TW-1 and 200-TW-2 OU Remedial Investigation Report to EPA and Ecology	TPA	10/30/02	10/23/02		Completed ahead of schedule
TRP-03-109 M-24-56	Install Two Additional Wells at SST Waste Management Area TX-TY.	TPA	12/31/02	12/9/02		Completed ahead of schedule
TRP-03-206 M-13-00M	Submit 1 200 NPL RI/FS (RFI/CMS) Work Plan	TPA	12/31/02	12/23/02		Completed ahead of schedule
TRP-03-106 M-24-00N	Install RCRA Groundwater Monitoring Wells at Rate of up to 50 in CY 2002, if required	TPA	12/31/02	12/9/02		Completed ahead of schedule
TRP-03-112 M-016-28A	Connection Well 199-K-126 to the 100-KR-4 Pump and Treat Extraction System	TPA	1/15/03	1/13/03		Completed ahead of schedule
TRP-03-209 M-15-38A	Submit 200-CW-1 Gable Mountain Pond/B Pond and Ditch Cooling Water Group Feasibility Study	TPA	3/31/03	3/31/03		Completed on schedule
TRP-03-212 M-15-40B	Submit 200-CW-5 U Pond/Z Ditches Cooling Water Group Remedial Investigation Report	TPA	5/31/03	5/30/03		Completed ahead of schedule
TRP-03-215 M-15-47	Submit a Proposed Plan to EPA and/or Ecology to conduct Remedial Action(s) for Source Control at High-Risk Waste Site(s)	TPA	6/30/03	6/27/03		Completed ahead of schedule
TRP-03-103 M-16-27C	Complete 100-HR-3 Phase III, ISRM Barrier Emplacement	TPA	6/30/03	4/10/03		Completed ahead of schedule
TRP-03-218 M-15-39A	Complete Chemical Sewer Group Field Work Through Sample Collection and Analysis	TPA	9/30/03			On Schedule
TRP-03-403	Optimization Plan for the Closure of the Central Plateau	RL	9/30/03			On Schedule
TRP-03-224 M-13-00N	Submit 1 200 NPL RI/FS (RFI/CMS) Work Plan	TPA	12/31/03			On Schedule
TRP-03-124 M-24-00O	Install RCRA Groundwater Monitoring Wells at Rate of up to 50 in CY 2003, if required	TPA	12/31/03			On Schedule

MILESTONE ACHIEVEMENT (CONT)

MSN	Title	Type	Due Date	Actual Date	Forecast Date	Status/Comments
TRP-03-239 M-020-00A	Submit Part B Permit Applications or Closure/Post Closure Plans for all RCRA TSD Units Except 216-A-10, 216-A-36B, 216-A-37-1, 207-A South Retention Basin, 216-S-10 Pond, 216-S-10 Ditch, 241-CX-70, 241-CX-71, and 241-CX-72.	TPA	2/28/04			On Schedule
TRP-03-227 M-15-41C	Submit 200-TW-1 and 200-TW-2 OU Feasibility Study and Proposed Plan to EPA and Ecology	TPA	3/31/04			On Schedule
TRP-03-230 M-15-39B	Submit 200-CS-1 Chemical Sewer Group Remedial Investigation Report	TPA	5/31/04			On Schedule
TRP-38-802	Decontaminate and Decommission the 233-S and 233-SA Facilities	RL	6/30/04			On Schedule
TRP-03-233 M-15-43B	Submit 200-PW-2 OU Remedial Investigation Report Including Past Practice Waste Sites in 200-PW-4 General Process Waste Group	TPA	6/30/04			On Schedule
TRP-04-901 M-92-15	Complete Removal and Transfer, and Initiate Storage of Phase II 300 Area SCW and Materials	EA	9/30/04	9/19/01		Completed ahead of schedule
TRP-03-236 M-016-66	Initiate Intermediate Design and Authorization Safety Analysis for Remedial Actions at the 618-10 and 618-11 Burial Grounds	TPA	9/30/04			On Schedule

FY 2003 FH FUNDS VS FORECAST (\$000)

Note: The funds and spend forecast for PBS RL-RC06, *300 Area Facility Transition*, are through July 23, 2003.

	Expected Funds	Spend Forecast	Variance
RL-RC06 300 Area Facility Transition	\$ 18,488	\$ 18,352	\$ 136
Project Completion - Operating	\$ 18,488	\$ 18,352	\$ 136
RL-CP01 200 Area Remediation	\$ 34,024	\$ 34,875	\$ (851)
RL-RS01 South Hanford Industrial Area	\$ 153	\$ 209	\$ (56)
RL-SC01 Near Term Stewardship - Records & Inf. Mgmt.	\$ 2,439	\$ 2,101	\$ 338
RL-SS03 Groundwater Management & Monitoring	\$ 21,089	\$ 19,212	\$ 1,877
RL-SS04 Groundwater Vadose Zone Integration	\$ 3,217	\$ 3,135	\$ 82
Post 2006 - Operating	\$ 60,922	\$ 59,532	\$ 1,390
Totals	\$ 79,410	\$ 77,884	\$ 1,526

ISSUE

233-S Facility D&D: Accelerated activities for the demolition of 233-S are in progress to complete the project by September 30, 2003. A revised execution plan has been developed to support the accelerated schedule. The remainder of highly contaminated waste has been removed, which has enabled the downgrade of the facility from Hazard Category 3 to Radiological. Size reduction of scaffolding, floor grouting, and fixative application has been completed; and trailers have been relocated outside the constructed zone.

The Request for Proposal for a demolition contract was issued on July 2, 2003. Nine vendors have responded with an expression of interest. Contract award is scheduled for July 22, 2003.