

Central Plateau Remediation Project

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233-S Building

Hydrolazing at 233-S Building



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 (S&M), CP Facility Transition, CP Facility Decontamination and Decommissioning, 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 April 30, 2003. A contract modification is in process to extend this 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 April 2003.

NOTABLE ACCOMPLISHMENTS

200 Area Remediation: Initiated concurrent RL/FH review of the U Plant Focused Feasibility Study/Proposed Plan on April 2, 2003. Released the U Plant Execution Plan and Project Procedures Manual (PEP), Rev. 0, on April 21, 2003. Completed the field characterization work for the chemical sewers (200-CS-1) Operable Unit on April 17, 2003.

Request to downgrade the 233-S Plutonium Concentration Facility to less-than hazard category 3 was transmitted to RL on March 31, 2003. In parallel with the request for facility downgrade, FH is working a Code of Federal Regulations, Title 10 Part 830, Subpart B updated documented safety analysis (DSA) which was submitted to RL on April 9, 2003, for review and approval.

Submitted the 224-B "plug-in" Engineering Evaluation/Cost Assessment (EE/CA) to RL for review and comment on April 7, 2003. Informal comments have been received from RL and are currently being incorporated into the EE/CA document.

A contract was placed with Pacific Northwest National Laboratory to perform final cultural resource reviews at U Plant on April 16, 2003.

300 Area Facility Transition: All project-related work scope in the 324 Facility was ceased with the exception of the design and fabrication of the Liquid Waste Handling System (LWHS) based on approval of Baseline Change Request (BCR) FH-2003-011. Received verbal approval of BCR FH-2003-013 at the Joint Integration Change Board meeting on April 30, 2003, which authorizes continuation of surveillance and maintenance work scope through July 23, 2003.

NOTABLE ACCOMPLISHMENTS, CONTINUED

Groundwater Management and Monitoring: Completed injections for the In-Situ Reduction and Oxidation Manipulation (ISRM) barrier [meeting Tri-Party Agreement (TPA) Milestone M-16-27C] on April 10, 2003. Issued the ISRM first quarter FY 2003 report on March 25, 2003. Completed the drilling and installation of one replacement extraction well within the 200-ZP-1 Operable Unit on March 28, 2003. Completed the design work for tying in replacement extraction well 299-W19-43 into the 200-UP-1 treatment system on April 21, 2003. Issued the 200 Area Pump and Treat Annual Performance Monitoring Report on April 21, 2003.

Groundwater Vadose Zone Integration: The first Groundwater Protection Program website under FH management was successfully launched on April 10, 2003.

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	17,065	15,923	14,229	-1,142	-7%	1,694	11%	18,652
RL- RS01	South Hanford Industrial Area Cleanup	120	123	75	4	3%	49	39%	201
RL- CP01	200 Area Remediation	18,503	16,844	19,576	-1,659	-9%	-2,731	-16%	30,505
RL- SS03	Groundwater Management & Monitoring	11,180	10,510	10,101	-670	-6%	409	4%	22,283
RL-SS04	Groundwater/Vadose Zone Protection	1,948	1,813	1,769	-135	-7%	44	2%	3,347
RL- SC01	Near Term Stewardship	1,412	1,277	1,257	-136	-10%	19	2%	2,519
Total Central Plateau Project		50,228	46,490	47,007	-3,738	-7%	-517	-1%	77,507

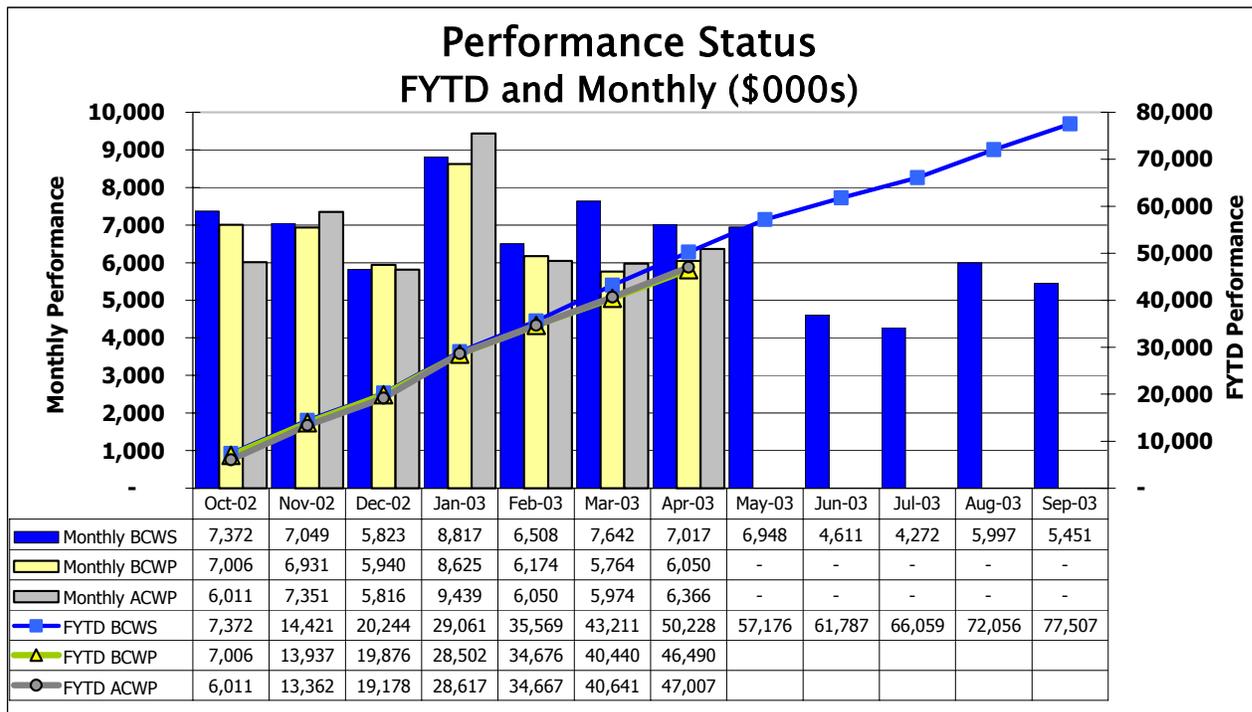
NOTE: FH contract only includes PBS RL-RC06, 300 Area Facility Transition work scope through April 30, 2003

Schedule Performance (-\$3,738K): The unfavorable schedule variance for PBS RL-RC06, *300 Area Facility Transition*, is due to work scope at the 324 facility that is not related to minimum safe facility status [such as clean out of the Shielded Maintenance Facility, B/D Cell equipment size reduction and waste disposal] have been placed on hold to allow for the reallocation of resources to support other higher priority work. These activities will be deleted from the baseline upon approval of BCR FH-2003-014, *FY 2003 Funding Reductions*. Additionally, there was a delay in finalizing the design of the 324 LWHS and commencement of system fabrication by a subcontractor.

The unfavorable schedule variance for PBS RL-CP01, *200 Area Remediation*, is because activities related to facility decontamination at 233-S were more extensive than planned and have further impacted the completion of facility characterization and data evaluation. These delays have hindered the ability to move forward with open-air demolition as planned in the baseline. In addition, well drilling efforts for 200-PW-2 were placed on hold pending resolution of the FY 2003 funding reductions. All subcontracting restrictions associated with this work scope have been lifted, and the activities are in progress.

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

Cost Performance (-\$517K): The cost variance is within established thresholds at the project level. The favorable cost variance for PBS RL-RC06, *300 Area Facility Transition*, is primarily due to actual labor costs being lower than planned due to reallocation of resources to support higher priority projects. The unfavorable cost variance is for PBS RL-CP01, *200 Area Remediation*, is primarily due to the inability to perform 233-S demolition per the aggressive open-air method planned in the baseline.



MILESTONE ACHIEVEMENT

PBS	MSN	Title	Type	Due Date	Actual Date	Forecast Date	Status/Comments
RL-CP01	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
RL-CP01	TRP-03-109 M-24-56	Install Two Additional Wells at SST Waste Management Area TX-TY.	TPA	12/31/02	12/13/02		Completed ahead of schedule
RL-CP01	TRP-03-206 M-13-00M	Submit 1 200 NPL RI/FS (RFI/CMS) Work Plan	TPA	12/31/02	12/30/02		Completed ahead of schedule
RL-CP01	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
RL-CP01	TRP-03-212 M-15-40B	Submit 200-CW-5 U Pond/Z Ditches Cooling Water Group Remedial Investigation Report	TPA	5/31/03			On Schedule
RL-CP01	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			On Schedule
RL-CP01	TRP-03-218 M-15-39A	Complete Chemical Sewer Group Field Work Through Sample Collection and Analysis	TPA	9/30/03		7/18/03	Forecast ahead of schedule
RL-CP01	TRP-03-224 M-13-00N	Submit 1 200 NPL RI/FS (RFI/CMS) Work Plan	TPA	12/31/03			On Schedule
RL-CP01	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
RL-CP01	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
RL-CP01	TRP-03-230 M-15-39B	Submit 200-CS-1 Chemical Sewer Group Remedial Investigation Report	TPA	5/31/04			On Schedule
RL-CP01	TRP-38-802	Decontaminate and Decommission the 233-S and 233-SA Facilities	RL	6/30/04			On Schedule
RL-CP01	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
RL-RC06	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
RL-RS01	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
RL-SS03	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
RL-SS03	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
RL-SS03	TRP-03-103 M-16-27C	Complete 100-HR-3 Phase III, ISRM Barrier Emplacement	TPA	6/30/03			On Schedule
RL-SS03	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
RL-SS04	TRP-03-403	Optimization Plan for the Closure of the Central Plateau	RL	9/30/03			On Schedule

FY 2003 FH FUNDS VS FORECAST (\$000)

	Expected Funds	Spend Forecast	Variance
Central Plateau Remediation Project			
RL-RC06 300 Area Facility Transition	\$ 20,120	\$ 18,669	\$ 1,451
Project Completion - Operating	\$ 20,120	\$ 18,669	\$ 1,451
RL-CP01 200 Area Remediation	\$ 30,215	\$ 33,334	\$ (3,119)
RL-RS01 South Hanford Industrial Area	\$ 198	\$ 153	\$ 45
RL-SS03 Groundwater Management & Monitoring	\$ 21,907	\$ 21,275	\$ 632
RL-SS04 Groundwater Vadose Zone Integration	\$ 3,194	\$ 3,222	\$ (28)
RL-SC01 Near Term Stewardship	\$ 2,514	\$ 2,476	\$ 38
Post 2006 - Operating	\$ 58,028	\$ 60,460	\$ (2,432)
Total	\$ 78,148	\$ 79,129	\$ (981)

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

ISSUES

Performance Incentive (PI) Negotiations for Groundwater Protection Program have not been established for this program. FY 2003 fee earning opportunities are being missed while awaiting RL action to negotiate milestones. FH received RLs proposed Groundwater Protection Program PI the week of April 21, 2003. RL proposed accelerated activities beyond those already addressed in the *Hanford's Groundwater Management Plan: Accelerated Cleanup and Protection*, which was to be the basis for the PI milestones. FH responded on May 5, 2003, with a proposed set of fee-bearing milestones based on the plan. Further discussions are set for the week of May 12, 2003.