

Soil and Water Remediation, Groundwater/Vadose Zone (RL-0030)

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200 East Area-Decommissioning Borehole

Overview

This section addresses Project Baseline Summary (PBS) RL-0030, *Soil and Water Remediation, Groundwater/Vadose Zone*.

NOTE: Unless otherwise noted, all information contained herein is as of the end of November 2007.

Notable Accomplishments

- **River Corridor**
 - Completed drilling and sampling for trichloroethylene (TCE) in the 300 Area
 - Obtained sufficient characterization data to identify the linkage of the contamination plume between the D and H reactors
 - Completed initial workshop leading to the final Records of Decision (RODs) in the 100 Areas
 - Eighteen wells constructed and awaiting acceptance

- **Central Plateau**
 - Completed 200-BC-1 Phase I Treatability Test Analysis and logging
 - Received approval to initiate additional waste site characterization
 - Sample Analysis Plan (SAP) for 200-BC-1 electrical resistivity characterization approved by RL and the Environmental Protection Agency (EPA)
 - Two T Tank Farm Extraction wells are pumping 200-ZP-1 groundwater to the Effluent Treatment Facility (ETF) at a rate of approximately 47 gallons per minute

- **Integration**
 - Met with DOE and regulators for Groundwater Annual Report
 - Transmitted the April-June 2007 Quarterly Report to DOE

FY 2008 Funds vs. Spend Forecast (\$M)

	Projected FY 2008 Funding	FY 2008 Fiscal Year Spending Forecast	Variance
Soil and Water Remediation, Groundwater/ Vadose Zone	\$ 116.6	\$ 102.9	\$ 13.7

Schedule/Cost Performance (\$M)

Soil & Water Remediation, Groundwater/Vadose Zone	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 (FY08/CTD)
Current Period (Month)	\$7.9	\$7.5	\$8.0	-\$0.4	-5.1%	-\$0.4	-5.6%	\$96.5
Cumulative-to-Date (FY 2004-Present)	\$222.1	\$214.7	\$214.5	-\$7.5	-3.4%	\$0.2	0.1%	\$305.0

Numbers are rounded to the nearest \$0.1M and include the Closure Services allocation.

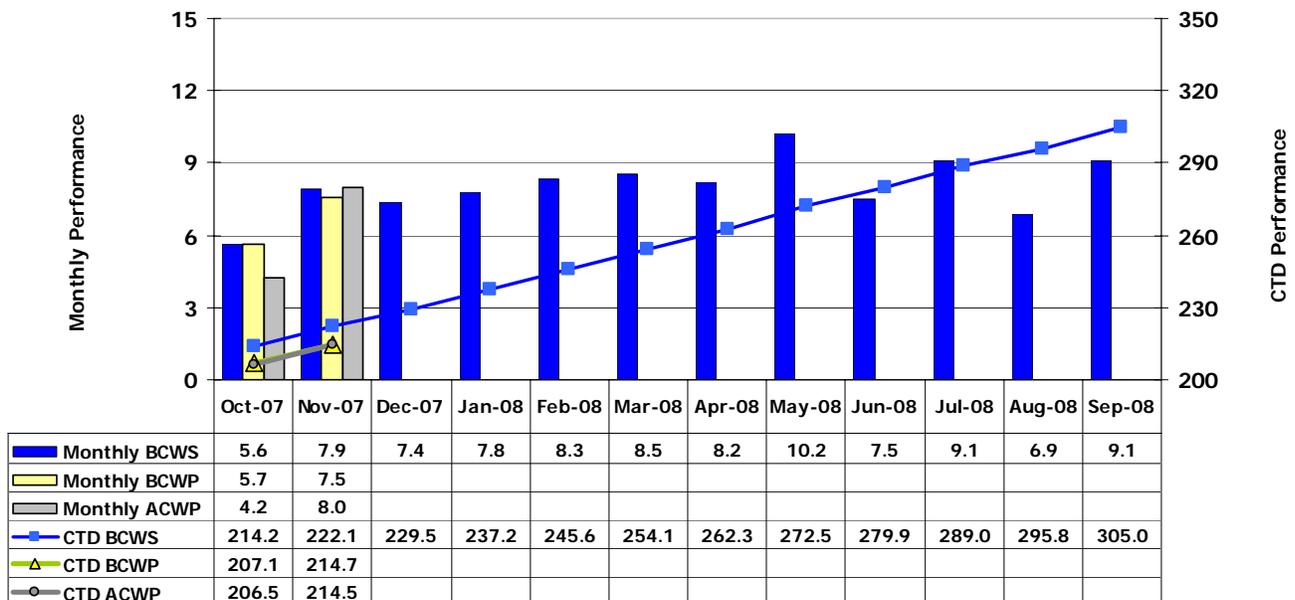
CTD Schedule Performance (-\$7.5M/-3.4%):

- The CTD schedule variance is primarily due to well drilling delays, not yet completed replanning for strategic planning and technology development and delayed analysis of groundwater samples. Corrective actions are underway in all areas and full recovery is anticipated about mid-year.

CTD Cost Performance (+\$0.2M/+0.1%):

- Insignificant

Performance Analysis CTD and Monthly (\$M)



Milestone Achievement

Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement) milestones represent significant events in project execution. DOE Enforceable Agreement milestones were established to provide high-level visibility to critical deliverables and specific status on the accomplishment of these key events. The FY 2008 Enforceable Agreement milestone information provided herein is based upon the current baseline including RL-approved changes. Changes from month-to-month in both the total number of milestones to be completed and in the forecast status of upcoming milestones are the result of BCRs approved during the reporting period.

Number	Milestone Title	Type	Due Date	Actual Date	Forecast Date	Status/Comments
M-013-06B	Submit the 200-BP-5 OU RI/FS Work Plan to EPA	TPA	3/31/2007	3/30/2007		Complete
M-016-14A	Complete Construction of a 300 foot Permeable Reactive Barrier Utilizing Apatite Sequestration at 100-N	TPA	5/31/2007	3/25/2007		Complete
M-015-48B	Submit the 200-ZP-1 OU Feasibility Study Report / Proposed Plan to EPA	TPA	9/30/2007	9/13/2007		Complete
M-013-10A	Submit the 200-PO-1 OU Remedial Investigation/Feasibility Study to Ecology	TPA	9/30/2007	8/22/2007		Complete
M-024-57M	Install a Cumulative of 60 Wells	TPA	12/31/2007	4/6/2007		Complete
M-015-50	Submit a Treatability Work Plan for Deep Vadose Zone Technetium and Uranium to Ecology and EPA	TPA	12/31/2007		12/31/2007	On Schedule
M-016-14B	Submit Draft CERCLA Proposed Plan for 100-NR-2	TPA	8/31/2008		8/31/2008	On Schedule