

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

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*100-D Tour to
support final
cleanup process*



*Groundwater
Aquifer tube
installation along
the Columbia River*

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 October 2007.

Notable Accomplishments

- **River Corridor**
 - Completed electrocoagulation (EC) system clean out and lay-up for winter at 100D Area.
 - Six wells constructed and awaiting acceptance: 100-KR-4 injection well, 100-HR-3 Horn Area investigation well, three 100-KR-4 expansion wells, and 300-FF-5 TCE well.
 - Completed ISRM injection tests using three different iron compounds.

- **Central Plateau**
 - Completed the first of three characterization wells in the eastern portion of 200-ZP-1.
 - Started initial design work for the tie-in of four new extraction wells at 200-ZP-1.
 - Began the drilling of the first of six new wells for 200-UP-1.
 - Shut down the active vapor extraction system at 200-PW-1 (ZP-2) for winter.

- **Integration**
 - Implemented the collection of both filtered and unfiltered Resource Conservation and Recovery Act (RCRA) groundwater samples.
 - Issued the revised “Hanford Integrated Groundwater and Vadose Zone Management Plan.”

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	\$ 102.5	\$ 14.1

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)	\$5.6	\$5.7	\$4.2	\$0.1	1.2%	\$1.4	25.2%	\$96.5
Cumulative-to-Date (FY 2004-Present)	\$214.2	\$207.1	\$206.5	-\$7.0	-3.3%	\$0.6	0.3%	\$305.0

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

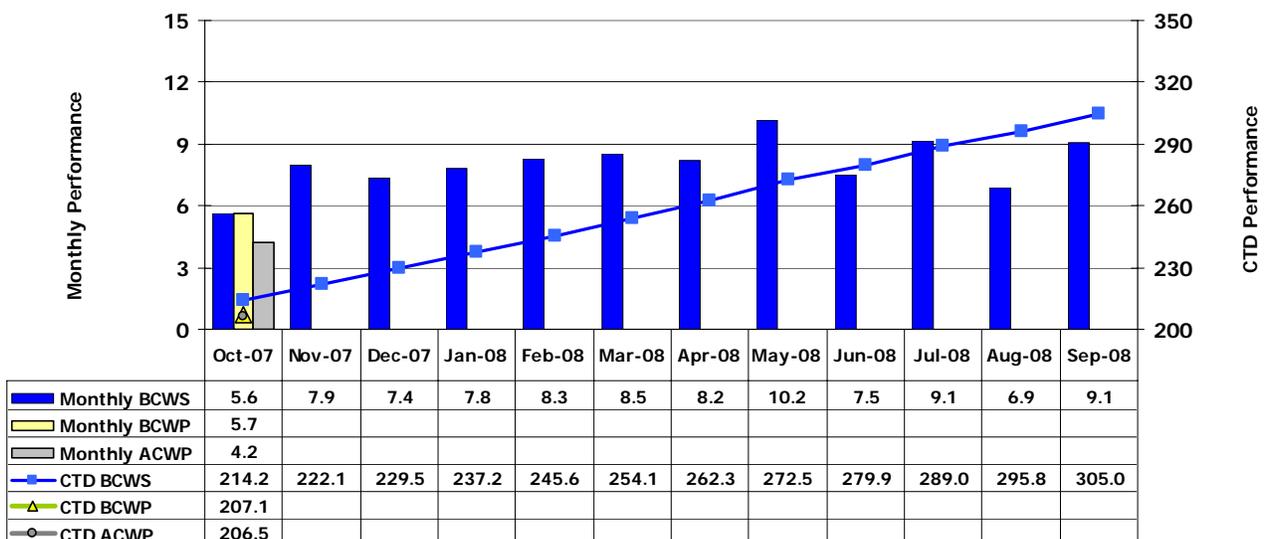
CTD Schedule Performance (-\$7.0M/-3.3%):

- The CTD schedule variance reflects delayed progress in four areas: (1) well drilling delays caused by unanticipated cultural resource issues and by onsite labor shortages, (2) pump and treat system resin regeneration delays caused by offsite shipping restrictions, (3) delays in sampling and analysis associated with the drilling delays, and 4) delays in awarding contracts in Groundwater/Vadose Zone Integration as this works scope is being refocused. Corrective actions are underway in all areas and full recovery is anticipated about mid-year.

CTD Cost Performance (+\$0.6M/+0.3%):

- Insignificant.

Performance Analysis CTD and Monthly (\$M)



Milestone Achievement

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