

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

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100-NR-2 Second Apatite Injection Test Site

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 August 2006.

Notable Accomplishments

Well Drilling: All fifteen of the *Hanford Federal Facility Agreement and Consent Order* (Tri-Party Agreement [TPA])-required Calendar Year (CY) 2006 wells that were reported on in June 2006 have been accepted by the Washington State Department of Ecology (Ecology), and ten of the fifteen CY 2007 wells have been completed and accepted by Ecology. Two additional CY 2007 wells have been drilled and are in the process of being accepted. Drilling of one of the CY 2008 wells began in mid-August because it supports making a decision on how to remediate the carbon tetrachloride contamination in the 200 West Area. Three wells were drilled in the 100-K area for the new pump and treat system that is planned to go into operation in December 2006 and an existing pump and treat. Support continues to be provided to the Office of River Protection in the drilling of four deep seismic boreholes needed for Vitrification Plant construction.

Cleaning up Chromium Along the River: In the 100-K Area, two major activities are in progress for cleaning up chromium. A new pump and treat system is being constructed near the KW Reactor to address a plume of contamination that recently reached the river. The treatment skid that is being manufactured offsite was completed in August and is ready to be delivered to the site when construction of the building is complete. The foundation of the building was poured the last week in August. In a separate action, drilling began on four new wells to be used in the expansion of the pump-and-treat system that has been operating for nearly a decade at another location in the 100-K Area. A contract was awarded for construction of the expansion building.

FY 2006 Funds vs. Spend Forecast (\$M)

	Projected FY 2006 Funding	FY 2006 Fiscal Year Spend Forecast	Variance
Soil & Water Remediation, Groundwater/Vadose Zone	\$ 52.9	\$ 49.0	\$ 3.9

FY 2006 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
Soil & Water Remediation, Groundwater/Vadose Zone	\$43.6	\$40.9	\$43.3	-\$2.6	-6.1%	-\$2.4	-5.8%	\$47.7

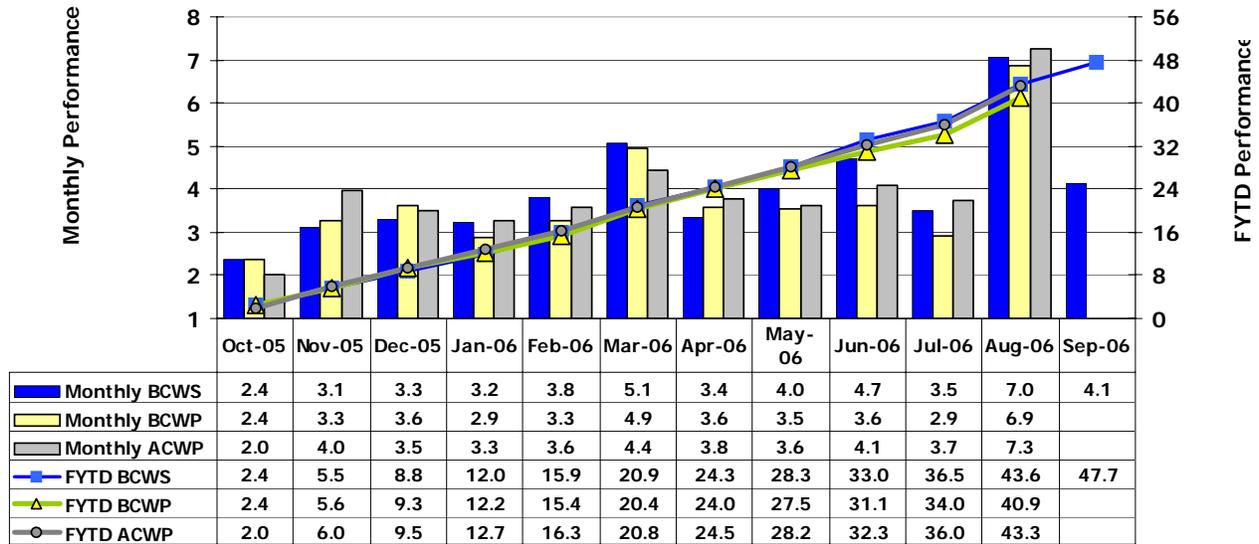
Numbers are rounded to the nearest \$0.1M and include the Closure Services allocation.

Schedule Performance (-\$2.6M/-6.1%). Variance within threshold; no explanation required.

Cost Performance (-\$2.4M/-5.8%). Variance within threshold; no explanation required.

FY 2006 Schedule/Cost Performance (\$M), continued

Performance Analysis FYTD and Monthly (\$M)



Milestone Achievement

Number	Milestone Title	Type	Due Date	Actual Date	Forecast Date	Status/Comments
M-24-57G	Install a Cumulative of 45 Wells by December 31, 2005	RL	12/31/05	8/16/05		Complete
M-24-57J	Install a Cumulative of 45 Wells by December 31, 2006	RL	12/31/06	5/11/06		Complete
M-15-48A	Submit Draft A 200-ZP-1 CERCLA Remedial Investigation Report to EPA	RL	5/31/06	5/31/06		Complete
M-016-14A	Complete construction of a 300 foot Permeable reactive barrier utilizing Apatite sequestration at 100-N.	TPA	12/30/06		12/30/06	