

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

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*Slant Drill Rig*

## 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 2005.

## Notable Accomplishments

**Well Drilling:** No additional wells for Calendar Year (CY) 2006 were completed during November. The current count is eight of the fifteen TPA-required wells are done. One additional well is nearing completion. Contracts for the remaining wells have been placed to maintain the drilling program ahead of schedule. An integrated effort is being planned with CH2M HILL to use a drilling tool that has promise for doing shallow investigation work that is currently being used in the tank farm investigations. The tool is called the euro-drill. It combines a direct push method with a rotary drill method that is mounted on a backhoe. The equipment is very maneuverable, and can quickly move from location to location, even in restricted movement areas. Testing is planned to evaluate euro drill capabilities in late December-early January. Testing will take place in 200 East and 100-N.

**Well Decommissioning:** There has been continued progress on the work to decommission wells that pose a high risk of providing a pathway for contamination to move directly to the groundwater. As of the end of November, 270 wells had been decommissioned. A total of 340 are planned to be removed from service by the end of September 2006. This past month, fifteen wells were completed using the mechanical perforation technique. These are wells in the 200 West area near some waste sites that were used in the past to dispose of contaminated liquids to the soil.

**Cleaning up Strontium-90 in the 100-N Area:** The 100-NR-2 Treatability Test Plan for installing a reactive, in-ground barrier using the mineral apatite was sent to DOE for its review and transmittal to the regulators. When this plan is sent to the regulators, it will be accompanied by a recommendation to place the pump-and-treat operation into a cold-standby condition.

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

	Projected FY 2006 Funding	FY 2006 Fiscal Year Spend Forecast	Variance
Soil & Water Remediation, Groundwater/Vadose Zone	\$ 46.5	\$ 46.5	\$ 0.0

## FY 2006 Schedule/Cost Performance (\$M)

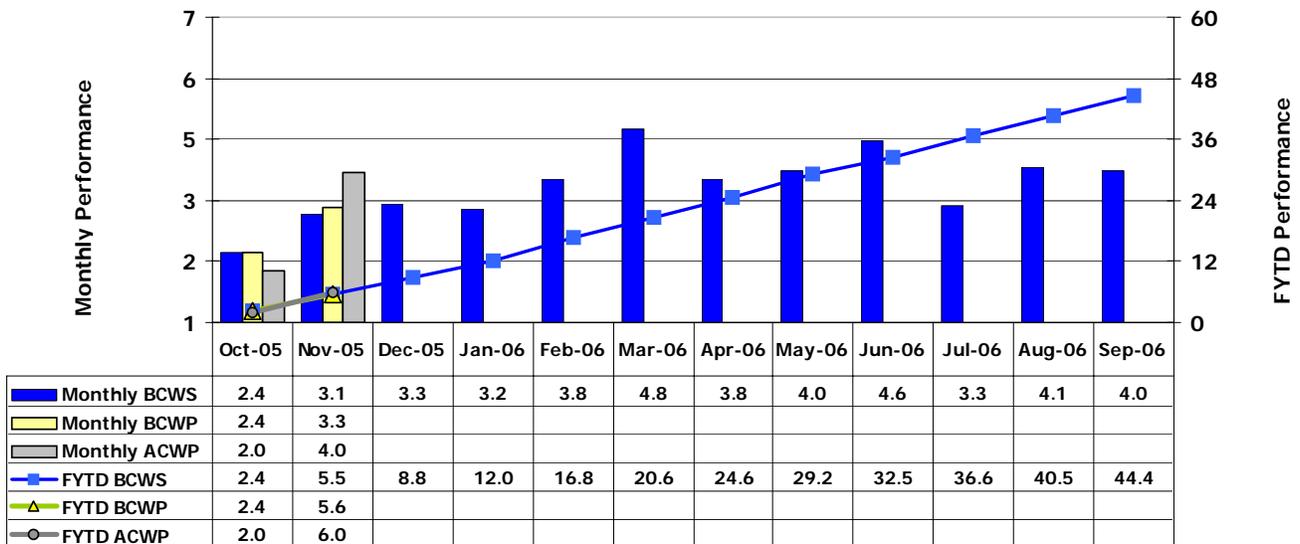
	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance \$	Schedule Variance %	Cost Variance \$	Cost Variance %	Budget At Completion
Soil & Water Remediation, Groundwater/Vadose Zone	\$5.5	\$5.6	\$6.0	\$0.1	2.6%	(\$0.3)	-5.8%	\$44.4

Numbers are rounded to the nearest \$M and include the closure services allocations.

**Schedule Performance (\$0.1M/2.6%).** Variance within threshold; no explanation required.

**Cost Performance (-\$0.3M/-5.8%).** Variance within threshold; no explanation required.

### Performance Analysis FYTD and Monthly (\$M)



## Milestone Achievement

PBS	MSN	Title	Type	Due Date	Actual Date	Forecast Date	Status / Comments
RL-0030	M-24-57G	Install a Cumulative of 45 Wells by December 31, 2005	RL	12/31/05	08/16/05		COMPLETE
RL-0030	M-24-57J	Install a Cumulative of 60 Wells by December 31, 2006	RL	12/31/06		07/31/06	
RL-0030	M-15-48A	Submit Draft A 200-ZP-1 CERCLA Remedial Investigation Report to EPA	RL	05/31/06		05/31/06	