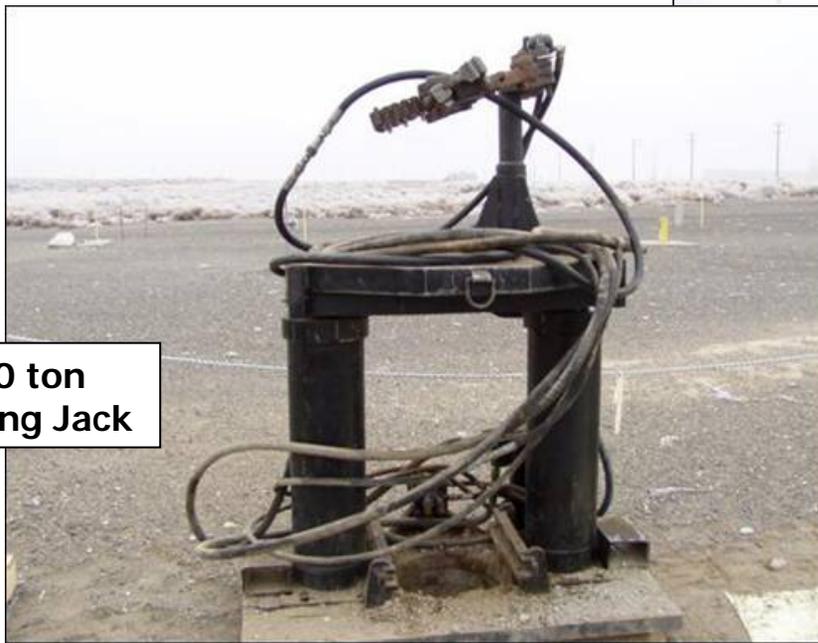


# Soil and Water Remediation, Groundwater/Vadose Zone (RL-0030)

R. T. Wilde, Vice President of Solid and  
Waste Water Remediation/Groundwater  
Vadose Zone & Waste Sampling and  
Characterization Facility/(509) 372-8123



70 ton  
Casing Jack



## Overview

This section addresses work in Project Baseline Summary RL-0030, *Soil and Waste Remediation Groundwater/Vadose Zone*.

NOTE: Unless otherwise noted, all information contained herein is as of the end of December 2004.

## Notable Accomplishments

**TPA M-24-57D:** This TPA milestone was completed on schedule on December 31, 2004. All 15 wells (30 cumulative) were completed and accepted in agreement with the TPA requirements.

**Well Decommissioning:** HNF-23522, "Hazard Evaluation for Closure of Groundwater Monitoring Wells ('Webster Wells') Using Jet Shot Penetrating Charges" was issued on December 21, 2004, thus expediting the process for completing Unresolved Safety Questions (USQs) for the jet-shot and subsequent well decommissioning work.

Well attribute reports and decommissioning profiles for 50 wells were completed, and a Request for Proposals to subcontract their decommissioning was issued.

**100 NR-2 Remediation:** A public workshop was held on December 8, 2004 to discuss the proposed plan for alternative treatment of Strontium-90 in the groundwater at 100-N. Several participants remarked that it was the least contentious NR-2 workshop they had attended in the last ten years. Comments and concerns will be incorporated in the Treatability Test Plan planned for release in May as a comment draft.

## FY 2005 Funds vs. Spend Forecast (\$M)

	Projected FY 2005 Funding	FY 2005 Fiscal Year Spend Forecast	Variance
Soil & Water Remediation, Groundwater/Vadose Zone	\$ 61.3	\$ 62.2	\$ -0.9

## FY 2005 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	\$11.0	\$8.8	\$9.7	-\$2.2	-19.7%	-\$0.9	-10.1%	\$55.9

**Schedule Performance (-\$2.2M/-19.7%).** The unfavorable schedule variance is due to:

- Delayed award of the jet-shot contract due to extensive security issues, nuclear hazard categorization analysis, and implementation of the FH safety plan requirements;
- Increased samples and analysis for 100-KR-4 combined with delayed finalization of the 100D Area chromium plume remediation treatability test plan.

The schedule associated with well decommissioning will be recovered.

**Cost Performance (-\$0.9M/-10.1%).** The unfavorable cost variance is due to:

- Increased costs for the Apatite Study; Data Quality Objectives, and sample costs;
- Increased labor costs associated with new staff in the Integrated Field Work areas.

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

