

# Radwaste Solutions

Volume 7, Number 5  
September/October 2000



## Features

### Cover Stories—Environmental Remediation

**Building on a Tradition of Environmental Concern: The Evolution of Environmental Remediation at the Savannah River Site** 9  
*SRS has become a de facto laboratory for the development, deployment, and demonstration of environmental remediation technologies.*

**Groundwater Re-injection at Fernald: Its Role in Accelerating the Aquifer Remedy** 19  
*Groundwater modeling predictions indicate that the use of re-injection will shorten the predicted time needed to remediate the Great Miami Aquifer at Fernald by approximately seven years.*

**How Should We Clean Up the Water? Groundwater Remediation Plans at the Paducah Gaseous Diffusion Plant** 24  
*The DOE's alternatives for remediation of contaminated groundwater in McCracken County, Ky.*

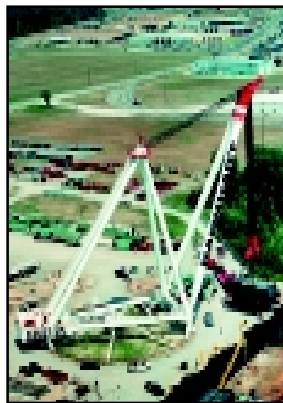
### Other Features

**Keeping an Eye on the Bottom Line** 30  
*Tips on how to deal with the unique challenges involved in managing the cost of a decommissioning project.*

**Long-Term Stewardship—Part II: Analysis and Planning** 34  
*Part II in a two-part series on the issues in the DOE's long-term stewardship program to ensure that site remediation work will remain protective for future generations.*

**A Team of Seven—The Tanks Focus Area: Providing Technical Solutions for Cleaning Up the DOE's Radioactive Tank Wastes** 43  
*The Tanks Focus Area was established to develop, deliver, and implement technical solutions to waste tank cleanup problems throughout the DOE system through integration with users, developers, and producers.*

**Moving to Another Stage of Life: Shipping, Decontaminating, and Final Disposition of the Maine Yankee Large Components** 50  
*This summer, the Maine Yankee large components took a long barge trip, on their way to the start of a new life as reusable scrap metal or as shielding blocks for the DOE.*



**And the Walls Came Tumbling Down . . . Rocky Flats Building 779 Closure Project** 56  
*The Rocky Flats Environmental Technology Site just completed the full decommissioning and final survey release of the Building 779 complex in record time and with no lost workdays.*



*The Building 779 complex at Rocky Flats was decommissioned, given a final survey release, and then demolished. See article beginning on page 56 to see how it was done.*

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### On the Cover:

(Background) The DOE paid for the installation of water lines to homes and businesses potentially affected by groundwater contamination near the Paducah Gaseous Diffusion Plant. See article beginning on page 24 for a look at the DOE's groundwater remediation plans for the site. (Inset) Installation of the geosynthetic cap material at the old radioactive waste disposal facility at the Savannah River Site. The article beginning on page 9 looks at the evolution of environmental remediation at SRS.

### Next Issue:

Utility Waste Operations