

# Radwaste Solutions

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The last glovebox at Rocky Flats being prepared for removal. For more on the winding down of the Rocky Flats clean-up project, see the article beginning on page 39

## Features

### Cover Story—High-Level Waste

**The Nation's Largest Construction Project: Designing and Constructing Hanford's Waste Treatment Plant** 14  
*Bechtel National Inc. is designing and constructing the world's largest radioactive waste treatment plant, tasked with turning a legacy of Cold War radioactive waste into glass for safe and permanent disposal.*

### Other Features

**Tackling Tough Challenges at SRS: Deactivation and Materials Disposition at F Area** 23  
*In 2002, when F Area leaders first began planning how to deactivate their facilities, the challenge seemed significant. When they began to delve more fully into the task ahead of them, it became even more daunting.*

**Fernald Cleanup Effort on the Move Again: K-65 Material Shipped to WCS** 30  
*In June, the Fernald site began shipping its Silos 1 and 2 material to the Waste Control Specialists facility for temporary storage.*

**Precise Cleaning inside Tanks** 32  
*The Directed Spray Mast was initially conceived to solve a specific problem at the Savannah River Site but has applications well beyond the site.*

**The "Poplar" Solution: How's It Working?** 34  
*A followup report on how poplar trees are cleaning up TCE-contaminated groundwater at the Portsmouth Gaseous Diffusion Plant.*

**Making the Impossible Possible: Closing Rocky Flats—Ahead of Schedule and under Budget** 39  
*Cleanup and restoration of the Rocky Flats plant is set to be completed within weeks, more than a year ahead of an ambitious schedule with a closure target of December 2006.*

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*A report from the 2005 American Nuclear Society Annual Meeting in San Diego.*

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## On the Cover:

Aerial view of Hanford's High-Level Waste Vitrification Facility, taken in July 2005. For more on this major construction project, see the article beginning on page 14. (Photo courtesy Bechtel National Inc.)

## Next Issue:

*First Annual Buyers Guide; also International Projects*