

# Radwaste Solutions

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Wetlands management is now part of the continuing legacy of the old Fernald Feed Materials Production Center. The article beginning on page 54 looks at the role of public involvement in the Fernald site cleanup and restoration.

## Features

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### Cover Stories—High-Level Waste/Spent Fuel

**Artifact to Analogue: Archeology of Arid Environments Points to Management Options for Yucca Mountain**

*Archeology has a lot to tell us about the potential behavior of materials and structures during a high-level waste repository's first 10 000 years.*

**Full Burnup Credit in Transport and Storage Casks—Benefits and Implementation**

*Allowing for full burnup credit of spent nuclear fuel during transport can allow higher density packing of transport casks, leading to savings for high-capacity systems.*

**Looking into the Yucca Mountain Controversy—A Book Review**

*A review of **Uncertainty Underground: Yucca Mountain and the Nation's High-Level Nuclear Waste.***

### Other Feature

**A Decommissioning Wrapup: Commercial Reactor Decommissioning Status in 2006**

*The current status of the commercial reactor decommissioning projects in the United States and the major milestones achieved over the past 12 months.*

### Waste Management '06 Best Papers

**Changing Public Participation at Fernald: Not an Easy (or Popular) Task**

*Fernald's transition to the Office of Legacy Management will likely be more difficult than at other cleanup sites, in part because area stakeholders have 20 years already committed to this project.*

**Science, Technology, and Workforce Innovations: Keys to a Successful D&D of Hanford's Plutonium Finishing Plant**

*D&D work at PFP is met with innovative approaches based on new science and technology and also on the creativity and motivation of the workforce.*

### Meeting Reports

**Whatever Happened to TMI-2, and Other Nuclear Waste Issues**

*A report from the American Nuclear Society's Winter Meeting in Albuquerque, N.M.*

**Waste in Its Proper Place**

*A report from the American Nuclear Society's Winter Meeting in Albuquerque, N.M.*

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## On the Cover:

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54 What can a three thousand-year-old Egyptian glass cosmetic bottle tell us about the potential performance of an underground nuclear waste repository? The article beginning on page 22 give us some clues. (Photo copyright: British Museum, London)

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