

Radwaste Solutions

Volume 16, Number 2
March/April 2009



The amazing flying WIPP cask? Probably not, but check out the article beginning

Features

Cover Stories—Decontamination and Decommissioning

- Vision 2010: Cleanup, Renewal of the Port Hope Uranium Conversion Facility** 20
Vision 2010 presents a unique and timely opportunity to increase the operational efficiency and environmental performance of the uranium conversion facility, while also making it look more attractive and better integrated with the community's vision for the future.
- Up for Decades, Down in Seconds** 28
Completing the demolition of a sphere enclosure building.
- New Life for an Old Lab—Commercializing a DOE Laboratory** 30
The story of McLinc, which grew from a support laboratory at Oak Ridge to an employee-owned, commercial, applied research and materials testing laboratory offering services to both government and commercial clients.
- Nondestructive Assay for Waste and D&D Applications** 38
Setting up and running an efficient and cost-effective NDA program for waste management and D&D applications.

Other Feature

- Design Options for the U.K.'s HLW Geological Disposal Facility** 44
For a relatively small land area, the United Kingdom possesses an unusually diverse range of geological environments, many of which would prove suitable for geological disposal.

Waste Management 2008 Best Papers

- The Potential Impact of Using TAD Canisters on Yucca Mountain Preclosure Operations** 56
The thermal limit for emplacement of spent fuel at the Yucca Mountain repository is the most important parameter when considering aboveground aging demands at the facility. Transportation heat limit is also important, but less so if the capacity of the repository is expanded or if older fuel is shipped first.
- Shielded Payload Containers for WIPP Remote-Handled Waste** 64
To improve operational efficiency at WIPP, the DOE is proposing a new waste emplacement process for certain remote-handled waste streams that can be safely managed in shielded containers.

Meeting Report

- D&D, Advanced Fuel Cycles Discussed in Reno** 74
A report from the American Nuclear Society's 2008 Winter Meeting, held November 9–13, 2008, in Reno, Nev.

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Meetings of interest

On the Cover:

A wall coming down at a D&D project. Four articles in this issue beginning on page 20 look at various aspects of decontamination and decommissioning. (Photo courtesy Penhall Co.)

Next Issue:

A celebration of WIPP's first 10 years of operation, 1999–2009