

Radwaste Solutions

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What's an airport's main deck loader doing at a nuclear cleanup site? Check the article beginning on page 42 to find out.

Features

Cover Story—High-Level Waste/Spent Fuel

The Engineered Barrier System for a Deep Geologic Repository in Canada

Repository engineering development in Canada currently focuses on updating the conceptual design of the engineered barrier systems, addressing sealing system technology issues, and advancing the development of long-term monitoring of a deep geologic repository.

Other Features

The Big Rock Vessel Goes to Barnwell

A major decommissioning milestone for the Big Rock Point Restoration Project was completed Oct. 30 when the plant's reactor vessel was delivered to the Barnwell low-level waste disposal site.

Build It Fast, Use It Faster: The Story of the DWPF Melt Cell Crawler

To maintain an outage schedule, engineers at SRTC had only 10 days to design and build a remotely operated crawler to assist in cleaning the DWPF melt cell floor. And the crawler had only 10 days to clean the cell.

The Rancho Seco Eleven:

A Story of Spent Fuel Racks from Removal to Burial

An overview of the Rancho Seco fuel rack project, covering characterization, removal, decontamination, packaging, transportation, and disposal of the 11 fuel racks.

New Waste Management Solutions at Hungary's Paks Nuclear Power Plant

Waste treatment strategy at Paks is based on treatment of a partially segregated collection of various waste streams using volume reduction technologies that can ensure a suitable waste form for interim storage.

Now Appearing at an Airport Near You: Adapting Aviation

Ground Support Equipment for Removing Nuclear Waste at Rocky Flats

The Rocky Flats cleanup crew needed an alternate method to safely and quickly move the waste upon generation. So they went to a nearby airport for the solution.

Soil Washing: Its Potential Application to the Treatment of Radioactively Contaminated Soils, Rubble, and Rocks from UKAEA Sites

Soil washing may reduce the volume of material requiring disposal as low-level radioactive waste and therefore reduce overall waste disposal costs.

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On the Cover:

The Canadian concept for a deep geological repository for spent nuclear fuel (the high-level waste form in that country). The article beginning on page 7 looks at the Canadian scheme.

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