

Radwaste Solutions

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Now why would we be running a photo of a Venus flytrap? Check out the story on page 34 to find out.

Features

Cover Stories—Low-Level Waste

In Pursuit of Risk-Informing Low-Level Waste Disposal Regulations

Clarifying certain inconsistencies in the regulations governing LLW classification and disposal would make them more risk-informed and consistent with current disposal site operating practices.

Onsite Storage: Reducing the Burden

Post-Barnwell, nuclear utilities are learning new ways to manage low-level waste—cutting the costs of onsite storage, minimizing waste volume, and improving safety.

To Blend or Not to Blend: Blending U.S. Commercial Low-Level Waste to Allow Disposal

A report from Waste Management 2010, organized by WM Symposia and held March 7–11, 2010, in Phoenix, Ariz.

Low-Level Radioactive Waste: Depleted Uranium, Waste Imports, and Other Issues

A report from Waste Management 2010, organized by WM Symposia and held March 7–11, 2010, in Phoenix, Ariz.

Perspective

Insights and Perspective on the Blending Issue

The clear truth is that while extraordinary efforts are exercised to reduce minuscule hypothetical risk to zero hypothetical risk in the AEA-regulated arena, the public is being increasingly exposed to higher levels of medical radiation.

Other Features

New Material Traps Radioactive Ions Using “Venus Flytrap” Method

A newly discovered chemical material is a picky eater, and its favorite food is radioactive nuclear waste.

Posiva’s Spent Fuel Disposal Program: Extension Before Construction

Posiva Oy, a Finnish company founded to dispose of the spent nuclear fuel from its owners’ nuclear power plants, is preparing for an extension of the deep geological repository because the owners are planning to construct new nuclear units.

SRNL Precision Models Aid Recovery Act Cleanup at SRS

Once D&D personnel at the Savannah River Site saw how useful a 3-D representation of a canal inside the R reactor complex was, they asked for a 3-D model of the whole facility.

Improving the Future by Dealing with the Past

A report from Waste Management 2010, organized by WM Symposia and held March 7–11, 2010, in Phoenix, Ariz.

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On the Cover:

Among the controversies surrounding low-level radioactive waste are onsite storage, waste blending, risk informing waste classifications, and disposing of depleted uranium. These are addressed in several articles in this issue, beginning on page 13.

Next Issue:

Decontamination and Decommissioning