

Radwaste Solutions

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Ghost arms? Not really. See article beginning on page 26 to see what's happening.

Features

Cover Stories—Decommissioning, Decontamination, and Reutilization

The Best Kind of Recycling: Building 7602 at ORNL

Between September and December 2000, D&D of Building 7602 at ORNL involved removal/relocation of equipment and materials and identification and removal of radioactive and hazardous materials contamination. After some building modifications, the clean facility is now ready for reuse by the SNS project.

Calling in the Pool Guys: Decontamination of a Spent-Fuel Storage Pool

How do you decontaminate a large pool of radioactive water and leftover equipment from spent nuclear fuel storage operations? You call in the pool guys!

Other Features

Thinking Outside the (Glove) Box:

The Evolution of Decommissioning at Rocky Flats

Challenged with the task of dismantling hundreds of gloveboxes from former nuclear production buildings, Kaiser-Hill Co. LLC recognized an opportunity to reduce worker risks if the surface-contaminated object process could be expanded to include larger contaminated equipment.

Hanford Pu Process Vessels out the Door—A Year Ahead of Schedule

Removing plutonium process vessels was high-risk work, not just because of the radioactive nature of the processing equipment, but also because of the spread of contamination in the building and lack of up-to-date information about the facility.

Community Relations—The NASA Way

Community relations may not be “rocket science,” but credit NASA anyway for impressing its Sandusky, Ohio, neighbors during the Plum Brook Decommissioning Project.

The Answer Is No (Does Transmutation of Spent Nuclear Fuel Produce More Hazardous Material Than It Destroys?)

Transmutation is not considered a substitute for a geological repository, but it could help reduce the mass and/or radiotoxicity of waste that needs to be placed in a repository.

Trusts for Long-Term Stewardship at Decommissioned Nuclear Facilities

Long-term stewardship plans require a viable, durable, long-term custodian with adequate financial resources to perform the functions needed after a site is decommissioned. Trust instruments may offer one option for providing long-term financial assurance.

The U Is Outta Here!

On May 15, Fernald workers shipped the last truckload of uranium offsite, a critical step toward site closure in 2006.

Russia to the Rescue? International Spent-Fuel Storage Options Discussed at the ANS Annual Meeting

A report from the 2002 American Nuclear Society Annual Meeting in Hollywood, Florida.

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On the Cover:

One of the “pool guys” helping with the decontamination of the spent nuclear fuel storage pool at the West Valley Demonstration Project. Articles beginning on pages 12 and 21 look at Decommissioning, Decontamination, and Reutilization (DD&R) work at Oak Ridge and West Valley. (Photo courtesy West Valley Nuclear Services Co.)

Next Issue:

*Environmental
Remediation*