

Radwaste Solutions

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Features

Cover Stories—Low-Level Waste

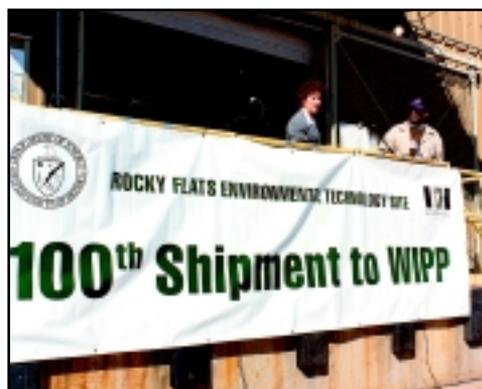
- Careful Operations at Envirocare of Utah** 11
As it disposes of increasing concentrations of radioactive materials, Envirocare is improving its methodologies for unloading, transporting, and disposing of waste to avoid worker exposure to the higher radionuclide levels.
- The Politics of Low-Level Radioactive Waste** 14
Twenty years after enactment of the federal Low-Level Radioactive Waste Policy Act, only 14 states have assured access to LLRW disposal facilities. Have you ever wondered why?
- Time Can Change Everything: Low-Level Radioactive Waste Amid Changing Realities** 22
How passing time ultimately undermined the work of the New Jersey Low-Level Radioactive Waste Disposal Facility Siting Board.

Special Section—Protecting the Columbia River

- Vitrifying the Hanford Tank Wastes: New Team, New Vision, New Energy** 26
The Hanford Tank Waste Treatment Plant Project is under new management, and the Project Team of Bechtel National Inc. and Washington Group International Inc. is on a fast-track schedule to begin construction.
- A Road Map to Cleanup Success: Hanford's Groundwater/Vadose Zone Integration Project** 31
Hanford's Groundwater/Vadose Zone Integration Project is a first-of-a-kind site-wide effort to address past, present, and future contamination on a sitewide basis.

Other Features

- 100 and Counting** 36
Rocky Flats is the nation's top shipper to WIPP.
- The Characterization, Monitoring and Sensor Technology Crosscutting Program** 38
Overview of the DOE's program to develop safer, more efficient, and less costly contaminant sensors and environmental and process monitors for remediating nuclear weapons production sites and facilities.
- Decommissioning the Quehanna Hot Cell Facility** 44
A look at the Quehanna Hot Cell Decommissioning Project, where workers are cleaning up Sr-90 and Co-60 contamination and preparing the site for a greenfield release.
- Responding to the New Realities: Thinking Outside the Box to Solve the Mixed Waste Problem** 49
Several strategic management approaches were developed to deal with the DOE's mixed waste problem, including the recognition of the need to support not only short-term incremental technology, but also long-term technologies with potential breakthroughs.
- Waste Management 2001** 54
A rainy week in Tucson made for a conference filled with lively presentations and stimulating discussion.



The Rocky Flats Environmental Technology Site recently completed its 100th shipment to the Waste Isolation Pilot Plant. Rocky Flats is the nation's top shipper to WIPP. A photo essay on pages 36-37 shows shipping activities at the site.

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On the Cover:

Background: Aerial view of Envirocare of Utah Inc. low-level radioactive waste disposal site. *Inset:* Inspecting the waste packages as they arrive at the Envirocare site. See article beginning on page 11 on operations at the facility. (Photos courtesy Envirocare of Utah Inc.)

Next Issue:

Environmental Remediation