Features

Cover Stories—Low-Level Waste
The IAEA’s Current Activities in Low- and Intermediate-Level Radioactive Waste Disposal
A review of the agency’s current activities in L/ILW disposal and a discussion of several emerging issues that are becoming increasingly important at both the national and international levels.
Endless Search, Endless Failure, Endless Conflict:
The Siting of a Radioactive Waste Disposal Facility in South Korea
During the last 20 years, Korea has made several efforts to find a permanent disposal site for its L/ILW and an interim storage site for spent fuel, but all these efforts have failed. This article looks at the reasons why, and offers some solutions.

Other Features
MADness and Spent-Fuel Cask Safety
A safety assessment of NAC’s multipurpose dry-storage systems in the face of terrorist attacks.

Pit Viper Strikes at the Hanford Site: Pit Maintenance Using Robotics at the Hanford Tank Farms
Containing jumper lines, valves, pumps, and other equipment used to transfer radioactive waste throughout the tank farms at Hanford, the “pits” are difficult for workers to access and most are contaminated. To the rescue: the new “Pit Viper.”

Diamonds Are a Cutter’s Best Friend:
Diamond Wire Cutting the Tokamak Fusion Test Reactor
Engineers at the Princeton Plasma Physics Laboratory decided to investigate an innovative technology for dismantlement of the TFTR vacuum vessel: diamond wire cutting.

Stumping for Yucca Mountain: Grassroots Efforts to Secure Congressional Support for the High-Level Waste Repository
If Congress doesn’t override the state of Nevada’s veto, the federal government will have to start all over again in its search for a national storage site for high-level radioactive waste. So local citizens are taking action to gain congressional support.

Waste Management 2002: Step-by-Step, Top-to-Bottom, Rebecca, and Other Topics
A report from the 27th Annual Waste Management Symposium in Tucson.