Horizontal boreholes in the walls of the WIPP disposal rooms will soon be used for the disposal of remote-handled transuranic waste. The article beginning on page 56 discusses how WIPP is preparing for that operation.

Features

Cover Stories—Environmental Remediation
Battling Groundwater Contamination at Hanford
Hanford Site Records show that 440 billion gallons of contaminated liquids were intentionally released to the soil, and there have also been unintentional releases. Now a race is on to remove contaminants from the groundwater before they can reach the Columbia River.

Reducing the Risk of Hanford’s Legacy
In the last decade, workers have removed 5.6 million tons of contaminated materials from 65 liquid waste sites in Hanford’s Columbia River corridor.

Perspective
The Paradox of Nuclear Waste
Understanding Nuclear Waste and Its Role in the Coming Nuclear Expansion.

Other Features
Segmenting and Disposing of the Rancho Seco Reactor Vessel Internals
The Rancho Seco reactor vessel and internals were too large to ship to Barnwell intact. So the utility decided to segment the internals, store the B, C, and GTCC wastes, and ship the Class A waste to Utah.

Complex Problem, Simple Solution: Complex Waste Sorting Issue Solved with Simple Detector
A new approach with new technology resulted from team discussions and brainstorming sessions.

Awaiting a New Permit at WIPP
With a hazardous waste facility permit decision in the offing, WIPP is gearing up for remote-handled TRU operations—and the most significant project change since the facility opened in 1999.

Conference Report
Advanced Fuel Cycles, Cleanup Progress, and Other Issues
A report from the American Nuclear Society’s 2006 Annual Meeting in Reno, Nev.