Cover Stories—Spent Fuel/High-Level Waste

Spent Fuel Storage in a Post-Fukushima World
A look at the status of spent nuclear fuel storage in the United States in the wake of the accident at the Fukushima Daiichi nuclear power plant in Japan and the recommendations of the Blue Ribbon Commission on America's Nuclear Future.

Alternative Uses for the Yucca Mountain Site: A GAO Report
Potential alternative uses of the Yucca Mountain site face a number of physical, legal, and administrative challenges.

Comparing Hanford and Savannah River Site Tank Wastes
Two methods are used to compare the waste at Savannah River and Hanford.

The Added-Value Approach in Siting Nuclear Waste Facilities
A look at how incentives and compensation were applied in Finland and Sweden as a part of the siting process for a nuclear waste repository.

The Arm from MARS: Robotic Arm Accelerates Waste Removal from Hanford’s Underground Storage Tanks
The MARS arm was brought to life inside tank C-107 and began transferring waste to a nearby double-shell tank for safe storage.

First Nuclear Fuel Movement in 50 Years Is a Decommissioning Milestone at Sellafield
Sellafield’s Pile Fuel Storage Pond poses one of the most challenging decommissioning projects on the Sellafield Site.

On the Cover:
Salt deposits grow like mushrooms inside Hanford’s single-shell storage tanks. An article beginning on page 32 compares the waste in Hanford tanks with that in Savannah River Site tanks.