

Radwaste Solutions

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A rocket launch? No, just the La Crosse BWR's reactor pressure vessel being inserted into its transportation/disposal canister. A photo essay on the RPV's trip to Barnwell begins on page 30.

Features

Cover Stories—Decommissioning, Decontamination and Reutilization

The UP1 D&D Program at Marcoule: Decommissioning and Dismantling of Process Facilities

Decommissioning the UP1 plant at Marcoule in France began in early 1998. Operations to decommission the facility are scheduled for completion in 2040.

Chapelcross Cooling Towers—Ten Seconds to Demolition

In May, it took 10 seconds to demolish the 50-year-old Chapelcross cooling towers.

La Crosse BWR Reactor Vessel Shipped to Barnwell

The 310-ton La Crosse reactor pressure vessel shipment arrived safely at Barnwell in early June.

Redistributing Fernald's Government Assets

Closure activities at the Fernald Closure Project included redistributing millions of dollars worth of equipment and materials so assets purchased with taxpayer dollars would continue providing value.

Designing Decommissioning into New Reactor Designs

Even though decommissioning of new reactors may be 60 years down the road from the time they go on line, eventually all reactors will be decommissioned. It is only prudent that new designs be optimized for decommissioning, along with the other major considerations.

Gimme Shelter!—An “Out-of-the-Box” Structure Helps a Hanford Cleanup Project

Unique structure enabled Fluor Hanford and the U.S. Department of Energy to move forward with nuclear waste retrieval project.

Other Features

Can DOE Canister Containment Be Maintained After Accidental Drop Events?

The National Spent Nuclear Fuel Program at Idaho National Laboratory funded efforts in 1999 and 2004 to drop test full-scale representative DOE spent nuclear fuel canisters to determine the actual structural response and leakage rate of these dropped canisters.

D&D, Fuel Cycle Issues Addressed at ANS Meeting

A report from the American Nuclear Society's 2007 Annual Meeting, held June 24–28 in Boston, Mass.

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On the Cover:

Images of D&D, reutilization efforts around the world.

Articles beginning on page 16 cover this topic at length.

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*Third Annual
Buyers Guide*