

Radwaste Solutions

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Disposal of mixed LLW packages at Pit 3 at the Nevada Test Site. See article beginning on page 56 for details.

Features

Cover Stories—Decontamination and Decommissioning

Pathfinder: The Long Road to Decommissioning 18

The Pathfinder nuclear power plant shut down in 1967. It received its license termination in June 2007. A lot happened during the 40 years in between.

The Tokai-1 Decommissioning Project 28

Tokai-1 started operation in 1966 as the first commercial nuclear power plant in Japan. Decommissioning the unit has become Japan's first commercial nuclear power plant decommissioning project.

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Wireless Technology Advances Hanford Cleanup Safety 36

Wireless technology has moved into the forefront of worker safety and productivity for CH2M Hill, improving the company's ability to safely manage radioactive and chemical waste on the Hanford Site.

2007 Waste Management Best Oral Papers

Hanford Bulk Vitrification Technology Status 42

Testing low-activity waste treatment technologies has utilized crucible-scale, engineering-scale, and full-scale bulk vitrification equipment.

The Changing Adventures of Mixed Low-Level Waste Disposal at the Nevada Test Site 46

The Pit 3 Mixed Waste Disposal Unit at the NTS was constructed in 1985 and consists of one unlined disposal cell. It will remain open for disposal of DOE mixed LLW until November 30, 2010.

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A report from the American Nuclear Society/European Nuclear Society International Meeting, held November 11–15, 2007, in Washington, D.C.

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The unshielded Pathfinder reactor vessel after its lift from the reactor building. The article beginning on page 18 describes Pathfinder's 40-year decommissioning process.

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Low-Level Waste