

Radwaste Solutions

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Old gas cylinders are just some of the items cleanup workers at Hanford are finding as they remediate old waste burial grounds at Hanford. See article beginning on page 28 for details.

Features

Cover Stories—Rail Transportation

Railroads 101: A Primer

Everything you ever wanted to know about railroads.

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Old Rail Spur Reactivated: Railroad Moves Radioactive Materials from San Onofre

The cost of reactivating the San Onofre rail spur was high, but the benefits to SONGS went beyond the decommissioning.

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Other Features

Like a Box of Chocolates: At the Hanford Burial Grounds, You Never Know What You're Gonna Get

At Hanford, cleanup workers must be prepared to handle safely any material encountered without always knowing what they're going to find.

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Dismantling the Vitrification Facility at the West Valley Demonstration Plant

High contamination, high radiation levels, a compressed work schedule, and limited in-cell infrastructure made the Vitrification Dismantlement Project difficult. Thorough planning, a dedicated team, and strict attention to safety and contamination control made the project a success.

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Data Needs for Storage and Transportation of High-Burnup Fuel

The NRC seeks data and analysis methods from the nuclear industry to support the safe storage and transportation of high-burnup fuel.

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Putting Bulk Vitrification to the Test

Bulk vitrification is the most likely candidate to supplement the treatment capabilities of the giant Waste Treatment Plant now under construction at Hanford.

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A report from the American Nuclear Society's 2004 Winter Meeting in Washington, D.C.

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On the Cover:

Rail transport is playing an increasingly important role in the radwaste world. In this issue, we feature a "primer" on the nation's railroad system (see "Railroads 101," on page 10) and take a look at how a decommissioning power plant has found rail transport to be a cost-effective means to getting decommissioning materials off the plant site and to the disposal facility (see "Old Rail Spur Reactivated," on page 20). (Cover photo courtesy of the American Association of Railroads.)

Next Issue:

Low-Level Waste