

Radwaste Solutions

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Suiting up at Rocky Flats. The article beginning on page 42 looks at the difficult D&D of the Site's Advanced Size Reduction Facility.

Features

Cover Stories—Environmental Remediation

Saving the Columbia River . . . and Other Environmental Challenges

Science-based solutions and strategic partnerships are accelerating Hanford Site cleanup and closure.

Remediating Sellafield: A New Strategy

Given the scale of nuclear liabilities at Sellafield and the high level of public funding, there is a clear need to demonstrate that remediation is coordinated and gives value for money.

Perspective

A National Solution for a National Problem

Assuring access to LLW disposal facilities will require the political will of the federal government.

Other Features

Long-Term Passive Ventilation at Yucca Mountain: Evidence from Natural Analogues

Although natural ventilation is not as efficient at water removal as forced ventilation, it can enhance the effectiveness of a geologic repository in isolating radioactive waste.

Safe at Last at Barnwell

In June, Maine Yankee's reactor pressure vessel was safely disposed of at the Barnwell, S.C., LLW disposal facility.

Legends, Myths, and Heroes . . . with Portabands, Sawzalls, and Nibblers: Decontaminating the Rocky Flats Advanced Size Reduction Facility

Rocky Flats tackles the single largest nuclear D&D effort to date.

Meeting Report

Decommissioning and Spent Fuel Management

A report from an Embedded Topical at the 2003 ANS Annual Meeting.

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On the Cover:

Pacific Northwest National Laboratory researchers use a variety of specialized facilities and environments to provide the U.S. Department of Energy and its contractors with technologies and processes that reduce the time, cost, and risk of environmental cleanup at Hanford and other DOE sites. Here, a technician employs a PNNL-developed chemical analysis method that can determine the amount of most elemental and isotopic constituents in tank waste samples with no sample preparation. The article beginning on page 10 covers the many ways PNNL is using science to aid in DOE site cleanups. (Photo courtesy PNNL)

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Utility Waste Operations