

# Radwaste Solutions

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The vacuum transfer system at Fernald's new enriched uranium repackaging station. See photo essay beginning on page 28 to get an overview of how the station operates.

## Features

### *The Impacts of Plant License Extension*

**Business as Usual . . . Only More So: Nuclear Plant License Extension and Plant Waste Operations**

*In addition to 20 more years of operation, license extension means that utilities have to plan further into the future about such issues as spent-fuel storage and radwaste disposal.*

### *Other Features*

**Waste Maximization: Economical Use of Railroad Transport**

*Waste maximization is an innovation using logistical management of transportation and new equipment designs to produce significant cost savings for the nuclear decommissioning industry.*

**Getting It Right: New Hampshire's State-of-the-Art Nuclear Decommissioning Law**

*In the process of rewriting its dated nuclear decommissioning law, the state of New Hampshire tackled some of the most significant and vexatious issues facing the nuclear industry.*

**Analogs and Dialogs: Integrating Natural Analog Studies into a National Confidence-Building Program**

*Natural analogs can play an increasing role in communication with nontechnical audiences, but such a program must be embedded in an integrated communication strategy.*

**Fernald's New Enriched Uranium Repackaging Station**

*Fernald recently obtained a drum repackaging station that promises to make repackaging of certain types of nuclear product easier, more efficient, and safer for workers.*

**Stabilizing the Shelter at Chernobyl**

*To stabilize the shelter that covers Chornobyl-4, an international study team defined an explicit, cost-effective plan.*

**Rethinking the Disposition of Hanford Tank Wastes: A Perspective**

*With the recognition that the Hanford Waste Tank Cleanup Program is a first-of-a-kind undertaking with a long history of unsuccessful attempts to bring it to closure, it is clear that a new and flexible approach is necessary.*

**Engaging and Exchanging in Connecticut**

*A report on the 2001 ANS Executive Conference on Nuclear Facility Decommissioning and Used Fuel Management.*

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## On the Cover:

Constellation Energy's Calvert Cliffs plant (right) and Duke Energy's Oconee station (left) were the first and second U.S. nuclear plants to obtain extended operating licenses from the U.S. Nuclear Regulatory Commission. The article beginning on page 9 explores the effects of license extension on plant waste operations at Constellation Energy, Duke Energy, and Entergy Nuclear plants

## Next Issue:

Decommissioning Safety