

Radwaste Solutions

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Decommissioned boilers await shipment from the United Kingdom to Sweden. See the article that starts on page 74 for the lead-up to the shipment.

Features

Cover Stories—Spent Fuel/High-Level Waste

Evaluation of Direct Disposal of Spent Fuel in Existing Dual-Purpose Canisters 26
Costs, worker dose, and complexity of fuel management operations could possibly be reduced through direct disposal of DPCs.

Predicting Stress Corrosion Cracking in the Canisters of Used Nuclear Fuel Dry Cask Storage Systems 40
A research initiative at the Massachusetts Institute of Technology's H. H. Uhlig Corrosion Laboratory aims to determine the role of stress corrosion cracking in predicting the life span of dry cask storage canisters.

Characteristics of Commercial Spent Nuclear Fuel: Distributed, Diverse, and Changing with Time 50
Understanding the current and future characteristics of commercial spent nuclear fuel is key to designing and licensing appropriate systems for its storage, transportation, handling, and disposal.

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A report from the Seventh Annual RadWaste Summit, held September 3–6, 2013, in Las Vegas, Nev.

The DOE, State Regulators, and Small Businesses—and Budgets 66
A report from the 25th Annual Weapons Complex Monitor Waste Management & Cleanup Decisionmakers' Forum, held October 21–24, 2013, in Jacksonville, Fla.

Waste Management 2013 Best Papers

Communicating Performance Assessment Results 70
The primary goal of communicating the results of performance assessments prepared to support the closure of waste tanks at the Savannah River site is to provide a clear understanding of the involved risks.

Studies, Transport, and Treatment Concept for Boilers from the Berkeley Nuclear Power Plant 74
In the first project of its kind in the United Kingdom, Studsvik was contracted to transport five decommissioned boilers from the Berkeley nuclear plant site to Studsvik's waste treatment facilities in Sweden for metal treatment and recycling.

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