

Radwaste Solutions

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Cutting through P Reactor's steel doors at the Savannah River Site. The article beginning on page 40 looks at the P Reactor closure work.

Features

Cover Story—Environmental Remediation

Ecological Restoration with Native Grasses and Forbs:

The Fernald Preserve and Weldon Spring Restoration Projects

Native grasses and forbs are an extremely effective, low-maintenance erosion control. Reestablishing a landscape that once existed prior to European settlement not only ensures an environmentally ethical treatment of the land, but also provides additional opportunities for beneficial community reuse.

Other Features

Summertime Forecast: Major Upgrades and Process Improvements at Hanford's ERDF

Hanford's ERDF currently contains nearly 7.5 million tons of waste and will have a capacity of 11 million tons when the current expansion is completed in early 2009.

Thoughts on Spent Fuel Storage

Comments by U.S. Nuclear Regulatory Commissioner Gregory Jaczko.

New Era of Salt Waste Processing Begins at SRS

Through new technology and innovative ideas, the SRS is proactively moving from an era of salt waste storage to one of long-term, high-volume salt waste disposition.

CH2M Hill Turns Safety Around at Hanford

In 1999, when CH2M Hill Hanford Group began working at the Hanford Site to safely manage 53 million gallons of radioactive and chemical waste, it inherited a safety program in need of a major overhaul. Today, in sharp contrast, it can boast of having one of the best safety records in the DOE complex for companies doing similar types of work.

SRS's P Area Closure Work Reaches Milestones: Area Cold and Dark, Moderator Removed, Demolition Complete

The Savannah River Site's P Area has a history of leading the way at the DOE site. As the first reactor area at SRS to undergo area closure, it's still doing so.

Using Mixed Bed Ion Exchange Resins in the MARS

Nuclear Power Plant

The need for an alternative deboration process that can increase the length of the fuel cycle and/or reduce the workload on the radwaste systems is crucial. But the MARS philosophy is stringent: the alternative has to be effective, simple, and cheap.

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Environmental remediation work at the Fernald Preserve has enhanced wildflowers and wildlife at the site. The article beginning on page 12 describes restoration work at both the Fernald Preserve and the Weldon Spring Restoration Project.

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Spent Nuclear Fuel