

Radwaste Solutions

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Yes, there **is** a nuclear connection here. See the article beginning on page 28 for details.

Features

Cover Stories—Environmental Remediation

Legacy Management at the Rocky Flats Site 12

The DOE's Office of Legacy Management is now responsible for monitoring groundwater and surface water and monitoring and maintaining the various groundwater treatment systems and covered landfills that remain on the DOE-controlled property.

Offsite Contamination in Plum Brook—From Discovery and Characterization to Demonstration of Regulatory Compliance 20

NASA was faced with the impact of reactor operations at Plum Brook in an area outside the fence line; however, there was insufficient information on the extent or level of the contamination.

Visitors Flock to the Remediated Fernald Preserve 28

More than 17 000 community members have enjoyed the Fernald site and Visitors Center since it opened to the public in 2008.

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A Snapshot of Paducah Remediation and Cleanup 36

Since the discovery of TCE contamination in neighborhood groundwater, the environmental remediation program at Paducah has been expanded to include environmental remediation, inactive facility decontamination and decommissioning, and waste material disposition.

Team Completes Dismantlement and Layup of Two Brookhaven Reactors 44

With the help of ARRA funding, successful D&D work at Brookhaven National Laboratory has included dismantlement of the graphite core of the Brookhaven Graphite Research Reactor and layup preparation at the High Flux Beam Reactor.

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The orchestration of a plan to ensure that the Yucca Mountain high-level radioactive waste repository would never be used.

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Dispositioning High-Level Waste in a Post-Yucca Mountain World 61

A report from the American Nuclear Society's 2010 Annual Meeting, held June 13–17, 2010, in San Diego, Calif.

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On the Cover:

Top: The Solar Ponds Plume Treatment System enhancement project at the Rocky Flats Site required installing additional treatment cells and monitoring and equipment vaults. See article beginning on page 12 for more on work at the site.

Bottom: Birders can observe more than 200 species of birds, ranging from waterfowl and shorebirds to wild turkeys and songbirds, at the Fernald site. The article beginning on page 28 outlines other reasons to visit Fernald as well.

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