

Radwaste Solutions

Volume 14, Number 1
January/February 2007



Can you figure out why this device might be called a "possum"? See article beginning on page 16 for more about this little critter.

Features

Cover Stories—New Technologies

The PACT System: A Radwaste Treatment Solution

The PACT system can process hazardous and radioactive wastes that include organic, inorganic, and mixed waste forms and can process 200-liter drums containing LLW and MLW directly from storage.

A Whole Zoo of New Technologies: Innovative Waste Retrieval Technologies Advance Hanford's Environmental Protection Mission

An aardvark, a possum, a viper, and a couple of mantises are being tested as new technologies to help remove chemical and radioactive wastes from Hanford's underground storage tanks.

Microwave In-Drum Drying: A New Volume-Reduction Process for Radioactive and Toxic Liquid Wastes

A microwave-heated waste drying system can provide a tenfold reduction in liquid waste processing time.

Spent Fuel Overpack Closure Welding: Parameter Development and Qualification

In a situation where NDE is not feasible, Fluor engineers devised an alternative approach to ensure the quality of welds for spent fuel overpacks.

Other Features

Hanford Scores Another Successful Open-Air Demolition: 232-Z Plutonium Incinerator Facility Demolished in July

The 232-Z demolition project was conducted within an operating nuclear area, next to other buildings that were routinely occupied by workers.

Control Room Consolidation Improves SRS Liquid Waste Operations

Consolidating and upgrading waste tank control room systems will add efficiencies, save money, and enhance safety at the Savannah River Site.

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On the Cover:

A plasma torch system to process radioactive wastes is just one of the new technologies highlighted in this issue. Articles on new technologies begin on page 11. **Inset:** Shrouding a structure to protect it from a nearby demolition. See article beginning on page 31 for the whole story.

Next Issue:

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