

Radwaste Solutions

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Corrosion and structural damage at old facilities is a problem throughout the nuclear waste cleanup/D&D industry. For more on where this corrosion appeared, check out the article beginning on page 10.

Features

Cover Stories—Decontamination and Decommissioning

Tunneling Out at 20.85 Meters: Cleanup Progress at Sellafield's Pile Fuel Cladding Silo

Prior to retrieving stored wastes, the cleanup contractor at this facility had to install new fire prevention systems, improve structural integrity, clear waste from the transfer tunnel, and improve seismic performance.

T(h)anks for the Technology: Vacuum Retrieval Adds to Tank Cleanup Progress at Hanford

A newly developed vacuum retrieval system is proving itself to be a viable tool for cleaning out Hanford's massive storage tanks.

Other Features

Drum Integrity Assessment at Hanford

Prior to retrieval, several Pu-238 drums at Hanford were investigated to discover if it was likely that the container material and/or confinement properties had been significantly altered as a result of service history.

A New Era of Waste Vitrification at SRS

The DWPF produced a record 260 canisters of vitrified waste last year and this year is on pace to do even more. In addition, it is increasing the amount of waste in each canister, thus extending the lives of its melters and saving money in the process.

Waste Management '04 Best Oral Papers

Finding Harmony: Developing Cleanup Criteria to Address Multiagency Requirements

Facilities that are required to comply with both NRC decommissioning regulations and state or federal environmental regulations for site characterization and remediation must understand the similarities of and the differences between the NRC and EPA regulatory frameworks if they are to design a timely and cost-effective closure plan that addresses the requirements of all regulatory entities.

The First Integrated SNF Transshipment/Interim Storage Facility in Northwest Russia

The EPA is working closely with the Russian Federation to develop an integrated management system for interim storage of SNF in Northwest Russia.

Departments

10	Editor's Note <i>Comments on this issue</i>	4
	Headlines <i>Industry news</i>	6
	It's Business <i>Contracts, business news, etc.</i>	52
18	Index to Advertisers	53
	ANS Membership Application	55
	Moving Up <i>People in the news</i>	57
22	Calendar <i>Meetings of interest</i>	59

On the Cover:

30	U.S. Representative "Doc" Hastings (R-Wash.) is dwarfed by the size of the tank at Hanford's Cold Test Facility. The CTF allows testing of radioactive tank waste retrieval technologies before they are deployed. For details on one of those technologies, turn to the article beginning on page 18.
36	

Next Issue:

47	<i>High-Level Waste/Spent Fuel</i>
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