A PUBLICATION OF THE AMERICAN NUCLEAR SOCIETY

Radwaste Solutions

Volume 18, Number 1 January–April 2011



36

64

82

91

Features

Cover Stories—Spent Fuel/High-Level Waste
Back to the Future: A Rationalized Rock Salt Repository
A look at going "back to the future" of rock salt geologic structure as the preferred
approach to effecting a final HLW repository in the United States.

Everything Old Is New Again

Removing waste from Hanford's storage tanks is one of the most difficult environmental challenges in the entire DOE complex Because of the hazardous materials inside the tanks, all work must be done by remote control That's where the new venturi system comes in.

Breaking Good
Study examines durability of glass with ties to nuclear waste storage.

55-Inch Hole Safely Cut into the Dome of Hanford's Tank C-107 48 The 55-in.-diameter hole is the largest cut into an active DOE radioactive waste storage tank, and it creates the access for the largest robotic arm developed to date for removing radioactive and chemical wastes from the tanks.

Perspective

The Tragedy of Yucca Mountain—Part II	54
More on the topic of how politics, rather than science and integrity, has dominated	
decision to terminate all activities related to the Yucca Mountain high-level rad	dioactive
waste repository.	

Other Feature

Stimulus Dollars Help Communities Recover	60
The American of Engineers' New York District less heart	ucina a ctimantera managana caracaca

The Army Corps of Engineers' New York District has been using stimulus money successfully through their FUSRAP program and in support of the EPA's Superfund program.

Waste Management 2010 Best Papers

Just How Risky Is It? Comparisons of the Risks of Transporting Radioactive Waste

The risks of transportation of spent fuel are significantly mitigated in that there are relatively few shipments, shipments involve largely nondispersible material, and robust thick-walled accident-resistant containers are used.

Targeting Chromium in Hanford's 100-D Area

Reports on the resuts from three tests supporting groundwater remediation of hexavalent chromium in Hanford's 100-D Area.

Meeting Reports

Clearing the Way for the Next Generation

A report from the 2010 ANS Decommissioning, Decontamination and Reutilization Topical Meeting, held August 29–September 2, 2010, in Idaho Falls, Idaho.

The Changing Paradigm for LLW Management

A report from the Fourth Annual RadWaste Summit, held September 7–10, 2010, in Las Vegas, Nev.

After Yucca Mountain: What's Next?

A report from the 2010 ANS Winter Meeting, held November 7–11, 2010, in Las Vegas, Nev.



Wrapping a BIG birthday present? Check out the photo essay beginning on page 48 to see just what's going on here.

Departments

Editor's Note Comments on this issue	2
Headlines Industry news	(
Radwaste Solutions Subscription Information	59
ANS Membership Application	99
Index to Advertisers	101
It's Business Contracts, business news, etc.	104
Moving Up People in the news	111
Calendar Meetings of interest	115
Index to Articles in Radwaste Solutions (1994–2010)	118

On the Cover:

A map of rock salt deposits in the contiguous United States. The article beginning on page 24 looks at the possibility of a rock salt high-level waste repository in our future.

Next Issue:

Low-Level Waste