

Radwaste Solutions

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Learn more about the "Amchitka Highway" in the article beginning on page 25.

Features

Cover Stories—Transportation

Why the DOE's Messages on Transportation Don't Resonate with the Public (and What the DOE Can Do to Fix the Problem) 8

The DOE's failure to understand and act on the public's perception of risk will inevitably hamper the department's ability to communicate successfully with the public regarding the transportation program to move radioactive waste to the national repository.

Assessment of Spent Nuclear Fuel Transport Accident Risk Using RADTRAN 5.5 19

Although the transportation risks calculated in the Yucca Mountain Environmental Impact Statement were small, many conservatisms were used to calculate these risks. And while it is important to use conservative assumptions in the evaluation of the environmental impacts, it is equally important that the public and decision makers understand the conservative nature of the results presented in the EIS.

Other Features

Revegetating Amchitka Island 25

In 2001, the DOE remediated six areas associated with Amchitka nuclear detonations. In 2008, the DOE and the USFWS took additional action to prevent significant erosion at the sites.

The Little Facility That Could 30

SRS's Effluent Treatment Project celebrates 20 years of successful operation.

The Evolution in Hanford Tank Waste Sampling Technologies 32

New technologies are constantly being developed and older methods are being modified to most efficiently sample highly radioactive waste from massive underground storage tanks to ensure worker safety and speed waste retrieval.

Meeting Report

High-Level Waste Management: At Home and Around the World 37

A report from the American Nuclear Society's 12th International High-Level Radioactive Waste Management Conference, held September 7-11, 2008, in Las Vegas, Nev.

Departments

Editor's Note 4
Comments on this issue

Headlines 5
Industry news

It's Business 45
Contracts, business news, etc.

Moving Up 46
People in the news

ANS Membership Application 47
Radwaste Solutions Subscription Information

Index to Advertisers 49

Index to Articles, 1994-2008 50

Calendar 67
Meetings of interest

On the Cover:

Two articles in this issue look at aspects of the U.S.

Department of Energy's Transportation Program for the proposed spent fuel/high-level waste repository at Yucca Mountain (see pp. 8 and 19).

Next Issue:

Decontamination and Decommissioning