

Radwaste Solutions

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A large snake at the Hanford site? Check out the article on the twists and turns in the sludge cleanout project at the Hanford K Basins, beginning on page 20.

Features

Cover Stories—Utility Waste Operations

Reverse-Osmosis Applications for PWR Liquid Radwaste Processing 10

Several plants have turned to reverse-osmosis technology to further reduce radioactive effluent. Membrane systems provide a leap forward for liquid radwaste processing performance.

Post-Barnwell Disposal of Class B and C Resins and Filters 14

At the Diablo Canyon power plant, advanced polymer solidification was demonstrated to be a viable alternative to the use of HICs or thermal reduction at an offsite processor for treating Class B and C resins and filters.

Other Features

The Sludge Cleanout of Hanford's K Basins 20

Hanford workers completed a job analogous to "vacuuming under the bed in your child's room from a small hole in the ceiling above, without first picking up the toys."

"When Is the Blowdown Date?"—The Public Information Campaign for the Chapelcross Cooling Tower Demolition 32

Sadness at the thought of the Chapelcross cooling tower demolition contrasted with excitement at the prospect of the first explosive demolition of this scale to be undertaken on a nuclear licensed site in the United Kingdom.

Meeting Report

The last 5 Percent Seems to Take Forever . . . And Other DD&R Lessons Learned 38

A report from the American Nuclear Society's Decommissioning, Decontamination, and Reutilization Topical Meeting, held September 16–19, 2007, in Chattanooga, Tennessee.

Departments

Editor's Note 4
Comments on this issue

Venting 5
Letters to the editor

Headlines 6
Industry news

It's Business 44
Contracts, business news, etc.

Moving Up 48
People in the news

Index to Advertisers 49

Index to Articles, 1994–2007 50

Calendar 67
Meetings of interest

Radwaste Solutions
Subscription Information Cover 3

On the Cover:

The reverse-osmosis system being used at the Ft. Calhoun nuclear power plant. Utilities are looking at several technologies to reduce radioactive effluent and treat Class B and C waste. The articles beginning on page 10 and page 14 highlight two of these technologies.

INSET: Energy Secretary Samuel Bodman takes a try at sludge vacuuming at Hanford's K Basins. An article on the K Basin sludge cleanout begins on page 20.

Next Issue:

Decontamination and Decommissioning