

Radwaste Solutions

Volume 20, Number 3

July–August 2013



Features

Cover Stories—Decontamination and Decommissioning

K-25 Challenges Met

Teamwork and innovation result in progress at the DOE's largest demolition project.

Decommissioning the University of Illinois TRIGA Research Reactor

Challenges encountered in decommissioning a small reactor in a university environment range from the radiological protection of the nearby university population and grounds to the logistical problems of working in limited space without benefit of the established controlled, protected, and vital areas common to commercial facilities.

Other Features

Consent-Based Siting: What Have We Learned?

A consent-based policy for siting a deep geological repository straddles a fine line between outright federal preemption of any state role in siting a repository and an absolute state veto, exercised at one specific moment in time.

An Aging Management Plan for Spent Fuel Dry Storage and Transportation

When spent fuel in extended dry storage systems is eventually transported, the condition of the fuel will need to be known sufficiently well to meet all the transport requirements. Consequently, we will need to know that fuel that passes acceptance tests at the time of loading can still pass the tests after an extended storage period.

Introducing Cigéo, the French Geological Repository Project

Cigéo will be an underground facility built in a clay formation at a 500-m depth.

Innovative Technique Accelerates Waste Disposal at Idaho Site

Once a waste drum departs the AMWTP Treatment Facility supercompactor, within a month the MLLW team can have the product drum characterized, certified, treated, shipped, and disposed of at an offsite facility.

Growing Young Minds Through EM Site Tours

Tours of EM projects and facilities that use the methods, technologies, and science associated with students' class curriculum show university students real-world applications of the material they learn about in class.

Meeting Report

Integrating Storage, Transportation, and Disposal

A report from the American Nuclear Society's 14th International Radioactive Waste Management Conference, held April 28–May 2, 2013, in Albuquerque, N.M.



What has these students so interested? Check out the photo essay beginning on page 56 to find out.

Departments

Editor's Note

4

Comments on this issue

Headlines

6

Industry news

Radwaste Solutions

Subscription Information

51

Moving Up

68

People in the news

Index to Advertisers

69

It's Business

74

Contracts, business news, etc.

Calendar

78

Meetings of interest

On the Cover:

Demolition work on the north end of the K-25 building at the Oak Ridge Site. Demolition work was completed at the north end in early 2013. Since then, crews have been hauling demolition debris and conducting deactivation work in the last remaining section of the building. All debris has now been safely shipped. For more on the K-25 D&D, see article beginning on page 16.

Next Issue:

Environmental Remediation