Features

Cover Stories—Utility Waste Operations
Managing Steam Generator Chemical Cleaning Waste at Palo Verde
The chemical cleaning of the Palo Verde-3 steam generators removed more than 165,000 gallons of spent solvent, rinse solution, and materials that had to be managed and disposed of.

The Next Stage for EPRI’s DFD Process:
Decontamination and Recycling of Radioactive Material from Retired Components
A new development can reduce the volume of waste arising from the DFD process by a factor of 10, opening the door for it to have an important role in allowing new reactor plants to adopt a "zero-waste" approach. And there’s more...

Segmenting the Rancho Seco Reactor Head—
A Cost-Effective Option
Diamond wire saw technology that was used to segment the Rancho Seco reactor head proved to be cost-effective for labor, packaging, transport, and disposal.

Other Features
Decontaminating 30 Million Square Feet
A report on a first-of-a-kind project—D&D of the three gaseous diffusion buildings in Oak Ridge—the largest D&D project in the United States.

Tapping into Lessons Learned at West Valley:
High-Risk Decon Experience Leads to Repeat Success
Valuable lessons learned from similar decontamination projects can help you work smarter.

The Case of the Transuranic-Loving Squirrels:
The Decontamination of the XF-90A
Decontamination workers on the XF-90A place project expected contamination from soil and wind-borne particles. But most contamination came from a surprising source.

On the Cover:
When the Palo Verde plant generated 165,000 gallons of liquid waste from a steam generator cleaning, they managed to achieve a volume reduction of 42:1 with evaporation and thermal processing treatments. The article beginning on page 12 provides the details. (Photo of the Palo Verde plant courtesy Arizona Public Service Co./Pinnacle West.)

Next Issue:
High-Level Waste/Spent Fuel