

Radwaste Solutions

Volume 11, Number 6
November/December 2004



Why is there a picture of a dead airplane in this magazine? Turn to the article beginning on page 41 to find out.

Features

Cover Stories—Utility Waste Operations

Managing Steam Generator Chemical Cleaning Waste at Palo Verde 12
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** 17
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** 22
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 28
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** 34
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** 41
Decontamination workers on the XF-90A place project expected contamination from soil and wind-borne particles. But most contamination came from a surprising source.

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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:

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Spent Fuel*