Features

Cover Story—Spent Nuclear Fuel
Spent Fuel Removal Concludes at Hanford’s K Basins—Helping to Restore the Columbia River’s Hanford Reach
Removing the nearly 105,000 irradiated, solid metal uranium fuel assemblies—stored for decades underwater in the aging K Basins—marks a cornerstone in Hanford’s long farewell to arms.

Other Features
Who’s Who at the Nuclear Waste Technical Review Board
The 11-member Nuclear Waste Technical Review Board is charged with evaluating the technical and scientific validity of activities undertaken in the DOE’s repository program.

Remote Sight to Monitor Mound Site:
Applying Machine Vision for Long-Term Stewardship
Automated monitoring systems, regardless of the type of sensor used, can and should be considered as an important component of the transition to long-term stewardship for DOE sites.

Environmental Remediation at the Maxey Flats Disposal Site
In a seven-year time period, workers at the Maxey Flats remediation project solidified 1.58 million gallons of leachate and process water, which contained more than 13,800 curies.

Taking Down the Maine Yankee Containment Building
The first nuclear power plant containment building to be safely demolished with explosives.

The D&D Challenge: Reducing Risks While Producing Results
A report from the TLG Services Inc. 2004 Decommissioning Conference.

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On the Cover:
The last MultiCanister Overpack of K Basin fuel leaves the Hanford packaging facility. Inset: A worker signs the congratulations poster at a celebration of the completion of fuel removal from the K Basins. This fuel removal has eliminated one of the greatest risks to the Hanford Reach section of the Columbia River. See article beginning on page 10 for details.

Next Issue:
Transportation