

# **CONTENTS / MAY 2001—VOL. 134, NO. 2**

# **TECHNICAL PAPERS**

#### REACTOR SAFETY

97 Risk-Oriented Safety Evaluation of the CAREM-25 Prototype Reactor / Jorge H. Barón, Jorge E. Núñez McLeod, Selva S. Rivera

#### **FUEL CYCLE AND MANAGEMENT**

- 110 Economic Analysis on Direct Use of Spent Pressurized Water Reactor Fuel in CANDU Reactors—I: DUPIC Fuel Fabrication Cost / Hangbok Choi, Won II Ko, Myung Seung Yang
- 130 Economic Analysis on Direct Use of Spent Pressurized Water Reactor Fuel in CANDU Reactors—II: DUPIC Fuel-Handling Cost / Hangbok Choi, Won II Ko, Myung Seung Yang, Ihn Namgung, Bok-Gyun Na
- 149 Economic Analysis on Direct Use of Spent Pressurized Water Reactor Fuel in CANDU Reactors—III: Spent DUPIC Fuel Disposal Cost / Won II Ko, Hangbok Choi, Gyuhong Roh, Myung Seung Yang
- 167 Economic Analysis on Direct Use of Spent Pressurized Water Reactor Fuel in CANDU Reactors—IV: DUPIC Fuel Cycle Cost / Won II Ko, Hangbok Choi, Myung Seung Yang

## THERMAL HYDRAULICS

187 Numerical Study of Coolant Mixing Caused by the Flow Deflectors in a Nuclear Fuel Bundle / Wang Kee In

### NUCLEAR PLANT OPERATIONS AND CONTROL

196 Mode K—A Core Control Logic for Enhanced Load-Follow Operations of a Pressurized Water Reactor / Soo-Youl Oh, Jonghwa Chang, Jong-Kyun Park, Manuel Carrasco

# **RADIOISOTOPES**

208 Radioiodine Volatilization in the Presence of Organic Compounds / Fariborz Taghipour, Greg J. Evans