

CONTENTS / MARCH 2005—VOL. 149, NO. 3

TECHNICAL PAPERS

FISSION REACTORS

- 243 Assessment on Integrity of BWR Internals Against Impact Load by Water Hammer Under Conditions of Reactivity Initiated Accidents / Mie Azuma, Atsushi Taniguchi, Akitoshi Hotta, Takeshi Ohta
- 253 Assessments of Water Ingress Accidents in a Modular High-Temperature Gas-Cooled Reactor / Zuoyi Zhang, Yujie Dong, Winfried Scherer

REACTOR SAFETY

265 Peach Bottom Turbine Trip Simulations with RETRAN Using INER/TPC BWR Transient Analysis Method / Lainsu Kao, Show-Chyuan Chiang

FUEL CYCLE AND MANAGEMENT

281 A Combined Nonfertile and UO₂ PWR Fuel Assembly for Actinide Waste Minimization / Eugene Shwageraus, Pavel Hejzlar, Mujid S. Kazimi

THERMAL HYDRAULICS

- 304 VVER-1000 Three-Dimensional RELAP-3D Model Assessment / Emilian L. Popov, Graydon L. Yoder, Valeri Velichkov
- 309 The Effect of the UO₂/ZrO₂ Composition on Fuel/Coolant Interaction / Jin Ho Song, Jong Hwan Kim
- 324 Brayton Cycle for High-Temperature Gas-Cooled Reactors / Chang H. Oh, Richard L. Moore

TECHNICAL NOTE

NUCLEAR PLANT OPERATIONS AND CONTROL

337 Screening Experiments for Removal of Low-Level Tritiated Water / Yun Mi Kim, Ronald Baney, Kevin Powers, Ben Koopman, James Tulenko

DEPARTMENTS

- 343 Volume 149 Indexes
 - v Volume 149 Contents