TECHNICAL PAPERS

FISSION REACTORS

285 Neutron Fluence, Dosimetry and Damage Response Determination in In-Core/Ex-Core Components of the VENUS CEN/SCK LWR Using 3-D Monte Carlo Simulations: NEA’s VENUS-3 Benchmark / J. Manuel Perlado, Jaime Marian, Jesús García Sanz

REACTOR SAFETY

297 The Chemistry of Iodine in Containment / Jungsook Clara Wren, Joanne M. Ball, Glenn A. Glowa

FUEL CYCLE AND MANAGEMENT

326 Depletion Analysis of Mixed-Oxide Fuel Pins in Light Water Reactors and the Advanced Test Reactor / Gray S. Chang, John M. Ryskamp

THERMAL HYDRAULICS

338 Numerical Simulation of Accumulated Steam Generator Tube Sheet Damage and Loose Part Impact Distributions / Liang Shi, J. Michael Doster, Charles W. Mayo

356 Testing a Passive Autocatalytic Recombiner in the Surtsey Facility / Thomas K. Blanchat, Asimios C. Malliakos

REACTOR OPERATIONS AND CONTROL

374 Development of the INSPECT Model for the Prediction of Iodine Volatility from Irradiated Solutions / Shirley Dickinson, Howard E. Sims


398 Estimating the Impurity Concentration Factor on the Boiling Heat Transfer Surface of a Simulated Steam-Generator Tube-Support-Plate Crevice Using an In Situ High-Temperature Conductivity Measurement Technique / Hirotaka Kawamura, Hideo Hirano

TECHNICAL NOTE

FISSION REACTORS

407 A Novel Method for Energy Production Using ²⁴²ᵐAm as a Nuclear Fuel / Yigal Ronen, Menashe Aboudy, Dror Regev

DEPARTMENTS

418 Volume 129 Indexes

Volume 129 Contents