

Contents

“ Technical Issues in Development of Dry Storage System ”

Extended Dry Storage of Used Nuclear Fuel: Technical Issues: A USA Perspective

Paul McConnell, Brady Hanson, Moo Lee, and Ken Sorenson 405

Arising Technical Issues in the Development of a Transportation and Storage System of Spent Nuclear Fuel in Korea

Jeong-Hyoun Yoon, Woo-seok Choi, Sanghoon Lee, and Ki-Seog Seo 413

Papers

Nuclear Fuel and Reactor Materials

Out-of-pile Mechanical Performance and Microstructure of Recrystallized Zr-1.5 Nb-O-S Alloys

S. Ko, J. M. Lee, and S.I. Hong 421

Investigation on Material Degradation of Alloy 617 in High Temperature Impure Helium Coolant

Dong-Jin Kim, Gyeong-Geun Lee, Su Jin Jeong, Woo Gon Kim, and Ji Yeon Park 429

Nuclear Structural Analysis and Plant Management & Maintenance

Probabilistic Approach on Seismogenic Potential of a Fault

Chun-Joong Chang 437

Contact Force Model for a Beam with Discretely Spaced Gap Supports and its Approximated Solution

Nam-Gyu Park, Jung-Min Suh, and Kyeong-Lak Jeon 447

Technical Note

Nuclear Fuel Cycle and Radioactive Waste Management

Properties of Low-pH Cement Grout as a Sealing Material for the Geological Disposal of Radioactive Waste

Jin-Seop Kim, S. Kwon, Jong-Won Choi, and Gye-Chun Cho 459

Abrasive Blasting Technology for Decontamination of the Inner Surface of Steam Generator Tubes

Gye-Nam Kim, Min-Woo Lee, Hye-Min Park, Wang-Kyu Choi, and Kune-Woo Lee 469