

Nuclear Technology

VOLUME 199 · NUMBER 3 · SEPTEMBER 2017

Special issue on UNF-ST&DARDS

Contents

- iii Foreword
Kaushik Banerjee

TECHNICAL PAPERS

- 227** Development of Streamlined Nuclear Safety Analysis Tool for Spent Nuclear Fuel Applications
R. A. Lefebvre, P. Miller, J. M. Scaglione, K. Banerjee, J. L. Peterson, G. Radulescu, K. R. Robb, A. B. Thompson, H. Liljenfeldt, J. P. Lefebvre
- 245** As-Loaded Criticality Margin Assessment of Dual-Purpose Canisters Using UNF-ST&DARDS
J. B. Clarity, K. Banerjee, H. K. Liljenfeldt, W. J. Marshall
- 276** Shielding Analysis Capability of UNF-ST&DARDS
Georgeta Radulescu, Kaushik Banerjee, Robert A. Lefebvre, L. Paul Miller, John M. Scaglione
- 289** Thermal Analysis Capability of UNF-ST&DARDS
Kevin R. Robb, Judith M. Cuta, L. Paul Miller
- 299** Containment Analysis Capability of UNF-ST&DARDS
Georgeta Radulescu, Kaushik Banerjee, Robert A. Lefebvre, L. Paul Miller, John M. Scaglione
- 310** UNF-ST&DARDS Unified Database and the Automatic Document Generator
Josh Peterson, Bret van den Akker, Riley Cumberland, Paul Miller, Kaushik Banerjee
- 320** Additional Capability Being Developed from UNF-ST&DARDS Unified Database: System Analysis and Fuel Cycle Option Analysis
Josh Peterson, Chuck Olson, Jim St. Aubin, Brian Craig
- 330** COBRA-SFS Thermal-Hydraulic Analysis Code for Spent-Fuel Storage and Transportation Casks: Models and Methods
Thomas E. Michener, David R. Rector, Judith M. Cuta
- 350** Validation of COBRA-SFS with Measured Temperature Data from Spent-Fuel Storage Casks
Thomas E. Michener, David R. Rector, Judith M. Cuta

INDEXES/CONTENTS

- 369** Author Index
- 370** Subject Index
- v Contents of Volume 199