

# nuclear technology®

## CONTENTS / NOVEMBER 1989—VOL. 87, NO. 3

### TMI-2: REMOTE TECHNOLOGY AND ENGINEERING

- 569 Preface: Three Mile Island Unit 2—Remote Technology and Engineering / *Paul Bengel*

### TECHNICAL PAPERS

- 571 Data Acquisition Methods Used at Three Mile Island Unit 2 / *Rayford L. Patterson, Michael L. Estabrook, D. C. Wilson*
- 587 Fuel Removal Equipment for Three Mile Island Unit 2 / *Gregory L. Calhoun*
- 595 Disassembly and Defueling of the Three Mile Island Unit 2 Reactor Vessel Lower Core Support Assembly / *Lawrence H. Porter, William E. Austin*
- 609 Three Mile Island Unit 2 Preparations for Defueling / *Paul M. Shearer, Sander Levin*
- 616 Ex-Vessel Defueling for Three Mile Island Unit 2 / *Robert J. Wolfgang, Rayford L. Patterson*
- 624 Development of Remotely Controlled Devices for Three Mile Island Unit 2 / *R. H. Fillnow, P. R. Bengel, David L. Giefer*
- 631 Conception and Development of Two Mobile Teleoperated Systems for Three Mile Island Unit 2 / *Leona E. Champeny, William L. Whittaker*
- 641 Implementation of Remote Equipment at Three Mile Island Unit 2 / *David L. Giefer, Andre B. Jeffries*
- 648 Performance of the Automated Cutting Equipment System During the Plasma Cutting of the Three Mile Island Unit 2 Lower Core Support Assembly / *Michael S. McGough, William E. Austin, George J. Knetl*
- 660 Criticality Analysis Support for the Three Mile Island Unit 2 Fuel Removal Operations / *Cecil V. Parks, Robert M. Westfall, B. L. Broadhead*
- 679 Criticality Prevention During Postaccident Decontamination of Three Mile Island Unit 2 Plant Systems / *Gerald L. Palau*
- 683 Three Mile Island Unit 2 Licensing History / *James J. Byrne, Robert E. Rogan*
- 690 Application of Three-Dimensional Computer Solids Modeling to Three Mile Island Unit 2 Defueling Activities / *Richard D. Schauss, David K. Cowser, Michael J. Kelley*

### DEPARTMENT

- 563 Authors

#### ON THIS COVER

Operators defuel the damaged TMI-2 reactor vessel from the purpose-built work platform placed directly above the water-filled reactor vessel.