

24



30



34



Feature Articles

24 Nuclear materials testing project brings U.S. and U.K. expertise together
By Cory Hatch

30 El Salvador: Looking to nuclear
By John Kutsch and Rauli Partanen

34 In an international industry, regulators cross the border too
By Matt Wald

39 27th Annual NuclearNews Reference Section

40 | Guide to the World List

54 | World Maps of Plant Locations

62 | Aggregate Data

41 | World List of Nuclear Power Plants

60 | U.S. New Nuclear Prospects

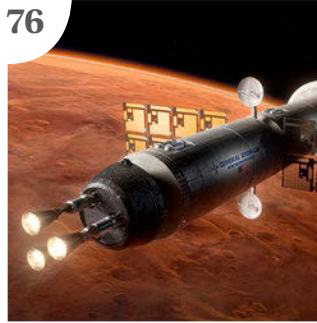
65 | U.S. License Renewal

67 | Power Reactors No Longer in Service

70



76



82



88



Insight & Opinion

- 4 **Nuclear Notes** | A summary of the World List for 2025
- 6 **Letters** | After the RAIN • A Good Read
- 8 **Readers Write** | The power of perception: High-level waste or a high-level product?
- 10 **Atoms** | Global buildup
- 12 **Leaders** | Kazakhstan is ready to power the world's green transition
By Meirzhan Yussupov
- 103 **Perspective** | SMR prospects in the developing world
By Halil Avci
- 108 **Opinion** | Will policies outlined in Project 2025 affect nuclear much?
By James Conca
- 120 **NN Asks** | Fiona Rayment: How can we shape the global nuclear future?

Headlines

- 16 **Nuclear Trending**
- 70 **Power & Operations**
- 76 **Research & Applications**
- 82 **Waste Management**
- 88 **Education**
- 93 **History**
- 96 **ANS News**

Community Updates

- 100 **Industry**
- 102 **Standards**
- 107 **Index to Advertisers**
- 111 **People**
- 116 **Calendar**
- 118 **Recently Published**
- 119 **ANS Journals**

Editorial

Director of Publications John Fabian

Publisher/Editor-in-Chief Rick Michal

Staff Writers

Susan Gallier, Tim Gregoire, Dot Schneider

Contributors Michael McQueen, A. J. Smuskiewicz

Copy Editors David Strutz, Mary Tong

Graphic Design Specialist Chris Salvato

Contributing Designers Jay Bogardus, Lisa Dagley

Advertising & Circulation

Director of Advertising and Sponsorships Jeff Mosses

Advertising Production Specialist Erica McGowan

Editorial Advisory Committee

Jess C. Gehin, John G. Gilligan,
Lawrence E. (Larry) Boing, Dale Vines

ANS Officers

President Lisa Marshall

Vice President/President-Elect Hash Hashemian

Treasurer Harsh Desai

Chairman, ANS Publications Steering Committee
Xiaodong Sun

Administrative

Executive Director/Chief Executive Officer
Craig Piercy

ANS Headquarters

General Information

askanything@ans.org
708/352-6611 | Fax 708/579-8314 | ans.org

Nuclear News Advertising

708/579-8225 | 708/579-8226
ans.org/advertising/ | advertising@ans.org

Nuclear News Editorial

708/579-8216 | nucnews@ans.org | ans.org/nn

Nuclear News (ISSN: 0029-5574), Volume 68, Number 3. Published monthly (except during the month of April when issued twice monthly) by the American Nuclear Society, Incorporated, with business, executive, and editorial offices at 1111 Pasquinelli Drive, Suite 350, Westmont, Illinois 60559; telephone 708/352-6611. Subscription rate for 2025 is \$725, which includes complimentary electronic access, 1959 to current issue; for subscriptions outside North America, add \$80 for shipping and handling. Alternatively, subscription rate is \$635 for Electronic Access Only, 1959 to current issue. Single copy price (regular monthly issues) is \$52; add \$12 for postage and handling if being shipped to address outside North America. Single copy price for annual mid-April Buyers Guide is \$125; add \$15 for postage and handling if being shipped to address outside North America. Individual ANS members receive *Nuclear News* as part of membership. Replacement copies may be obtained at the single copy price, as long as copies are available. Inquiries about the distribution and delivery of *Nuclear News* and requests for changes of address should be directed to the American Nuclear Society. Allow six weeks for a change to become effective. POSTMASTER: Send change of address orders to *Nuclear News*, American Nuclear Society, 1111 Pasquinelli Drive, Suite 350, Westmont, Illinois 60559.

Nuclear News is printed in New Richmond, Wis. 54017, by St. Croix Press, Inc. Nonprofit periodicals postage paid at Westmont, Illinois, and at additional mailing offices. Copyright © 2025 by the American Nuclear Society, Inc. Trademark registered in USA and Canada.

Opinions expressed in this publication by the authors are their own and do not necessarily reflect the opinions of the editors, the American Nuclear Society, or the organizations with which the authors are affiliated, nor should publication of author viewpoints or identification of materials or products be construed as endorsement by this publication or by the Society.

Texts of most *Nuclear News* articles are available on the LexisNexis database, from Mead Data Corporation.



American Nuclear Society