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Coming up . . .

May—Special Section on Decommissioning

June—Special Section on Health Physics and Isotopes & Radiation

July—Special Section on Operations
—Profile of incoming ANS President John E. Kelly

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On the cover: Workers at the Fukushima Daiichi nuclear power plant insert a guide pipe into the Unit 2 primary containment vessel prior to the insertion of a robot that provides images of the reactor internals. An article on the investigations being conducted at, and the information being gathered from, the plant's Units 1, 2, and 3 begins on page 36. (Photo: International Research Institute for Nuclear Decommissioning)



Feature Articles

Working together to enhance nuclear reactor safety **36**
BY DAMIAN PEKO, SUDHAMAY BASU, STEVEN KRAFT, SHINYA MIZOKAMI, AND JOY REMPE

DOE and NRC fiscal year 2019 budget requests **26**

Power

14

Capital projects suspended at Salem plant after nuclear-related bill stalls in New Jersey Senate. Georgia Power submits semiannual construction monitoring report for Vogtle-3 and -4 to Georgia Public Service Commission. Renaissance Watch: An update on developments that may lead to new power reactors. Report from ISO New England to Federal Energy Regulatory Commission warns of fuel security risk. Focus on Finance. Nuclear Regulatory Commission issues confirmatory order to Entergy regarding employee misconduct at Grand Gulf. Antinuclear group asks Supreme Court to hear case against NRC in regard to Fermi-3. NRC issues 2017 reactor performance assessment letters to licensees.

Security

30

Department of Justice fines Maryland-based transportation management services firm \$2 million in foreign bribery case. Japan and IAEA sign agreement aimed at enhancing nuclear security for summer 2020 Olympics.

Policy & Legislation

32

Nuclear-related bills advance on Capitol Hill. Rep. John Shimkus urges passage of Nuclear Waste Policy Amendments Act of 2017.

International

43

EDF and Nuclear Power Corporation of India Limited sign agreement to advance six-unit EPR project at Jaitapur. Ukraine's Energoatom and Holtec International sign MOU for SMR-160s. Canada initiates process to explore potential for SMR development. China's Tianwan-3 begins two-year warranty period of operation. Emirates Nuclear Energy Corporation makes two important leadership appointments as startup of Barakah-1 nears. India to take part in Bangladesh's Rooppur nuclear power plant project. U.S. Energy Information Administration says nuclear electricity generation capacity in Middle East could reach 14 GWe by 2028. IAEA to expand cooperation on SMR development. Morocco's Triga research reactor to join IAEA's online training program.



Waste Management 55

Agreement signed in proposed sale of Vermont Yankee from Entergy to NorthStar Group Services. License exemption will expedite transfer of spent fuel to dry storage at Vermont Yankee. NRC docketed Holtec's license application for a consolidated interim storage facility for spent fuel. Government Accountability Office sustains protest of contract for processing liquid waste at Savannah River Site. Plutonium-44 to be recovered from Mark-18A targets stored at SRS. NRC's management of decommissioning financial assurance instruments found lacking. U.K. Nuclear Decommissioning Authority found to have mismanaged Magnox decommissioning contract.

Fuel 59

Energy Fuels receives approval to expand La Sal Complex in Utah; other mining developments. Anfield Energy to acquire Charlie project in Wyoming; other business developments. U.S. production of U_3O_8 in 2017 lowest since 2004. NRC hosts public meeting to address status of accident-tolerant fuel development.

Industry 62

Framatome purchases Schneider Electric's nuclear instrumentation and controls business; other business developments. Bruce Power awards contracts to BWXT Canada; other pacts.

Standards & Documentation 64

Reaffirmed standard, new standard approved. NRC issues draft regulatory guide, other documents.

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Nuclear News (ISSN: 0029-5574), Volume 61, Number 4. 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 555 N. Kensington Ave., La Grange Park, Illinois 60526; telephone 708/352-6611. Subscription rate for 2018 is \$610, which includes complimentary electronic access, 2008 to current issue; for subscriptions outside North America, add \$70 for shipping and handling. Alternatively, subscription rate is \$535 for Electronic Access Only, 2008 to current issue. Single copy price (regular monthly issues) is \$48; add \$12 for postage and handling if being shipped to address outside North America. Single copy price for annual mid-April Buyers Guide is \$115; 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, 555 N. Kensington Ave., La Grange Park, Illinois 60526, or <nucnews@ans.org>.

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