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Coming up . . .

April—Special Section on Supply Chain

Mid-April—50th Annual Buyers Guide

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Feature Article

Root causes of the Three Mile Island accident

BY ZOLTAN R. ROSZTOCZY

Perspective

Safety challenges for long-term operation of nuclear power plants

BY GREG RZENTKOWSKI

Power

NRC approves final rule on lessons learned from Fukushima Daiichi accident. Santee Cooper ends effort to find buyer for Summer-2 and -3 as utility's future is debated. Nuclear's share of U.S. generation drops to 12 percent by 2050 in Energy Information Administration's *Annual Energy Outlook 2019*. FENOC prepares for closure of Davis-Besse. Maximizing the Assets: A status report on license renewal and power uprates. Defense Department plans microreactor prototype project. Calls for FERC Commissioner McNamee's recusal from grid resiliency proceeding continue. States hosting nuclear plants commit to goals of Paris Agreement. NRC proposes changes to annual fee regulations.



Security

25

DOE ships plutonium to Nevada National Security Site; Nevada responds. National Nuclear Security Administration awards \$50 million to two university consortia for nonproliferation R&D. Bulletin of the Atomic Scientists' Doomsday Clock still at two minutes from catastrophe. NRC issues confirmatory order for security lapse at Farley plant. New IAEA training program focuses on security of mobile radioactive sources.

International

66

French nuclear industry, government sign strategic contract. Ruling on Flamanville-3 welds could mean further delays in first fuel loading. Reactor internals installed at Pakistan's Kanupp-2. Bangladesh's nuclear future set out at IAEA meeting. Saudi delegation tours UAE's Barakah nuclear plant. IAEA delivers final report on review of nuclear infrastructure development in Saudi Arabia. Dutch company NRG to test materials for Terrestrial Energy's Integral Molten Salt Reactor. Russia's Bilibino-1 granted license for no-generation mode.

Waste Management

76

DOE releases new cost estimates to complete Hanford Site cleanup. DOE to construct cesium storage pad at Hanford Site's Waste Treatment and Immobilization Plant. Operations begin at cesium removal demonstration project at Savannah River Site. Atomic Safety and Licensing Board considers petitions on Holtec's application to build consolidated interim storage facility. Veolia Nuclear Services' new GeoMelt in-container vitrification system demonstrated.

Fuel

80

Urenco USA plans for higher uranium enrichment levels. NRC upholds Dewey Burdock license, seeks comments on groundwater protection at *in situ* recovery mining facilities. DOE-supported development of accident-tolerant fuel proceeds. Silex and Cameco to purchase GE-Hitachi's share of Global Laser Enrichment.

Industry

82

Orano TN, Bureau Veritas to support development of maritime transportation options for nuclear materials; other business developments. Newport News, BWXT awarded Navy contracts; other pacts.

Standards

84

Two new standards projects initiated.

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Nuclear News (ISSN: 0029-5574), Volume 62, 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 555 N. Kensington Ave., La Grange Park, Illinois 60526; telephone 708/352-6611. Subscription rate for 2019 is \$640, which includes complimentary electronic access, 2008 to current issue; for subscriptions outside North America, add \$70 for shipping and handling. Alternatively, subscription rate is \$560 for Electronic Access Only, 2008 to current issue. Single copy price (regular monthly issues) is \$50; add \$12 for postage and handling if being shipped to address outside North America. Single copy price for annual mid-April Buyers Guide is \$120; 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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