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Coming up . . .

October—Outage Management/
Plant Maintenance Special Section

December—Special Section on Fuel

January—Special Section on Education,
Training & Workforce Development

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On the cover: Taken during an International Atomic Energy Agency safeguards comprehensive training exercise conducted in 2015 at the Dukovany nuclear power plant in the Czech Republic, the photo represents the types of safeguards activities inspectors conduct in the field, using surveillance cameras, applying tamper-proof seals, and taking nuclear material and environmental samples. To read about the IAEA's newly completed MOSAIC Safeguards IT system and an overview of the United States' 10 CFR Part 810 export regulations, turn to the Special Section on Nonproliferation, which begins on page 29. (Photo: D. Calma/©IAEA 2015)



Special Section: Nonproliferation

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MOSAIC: Updating the IAEA's Safeguards IT system

BY DICK KOVAN

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810 shades of gray

BY ART WHARTON

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Power

14

Arnold plant to close in 2020. FirstEnergy Solutions takes next step toward plant closures. Energy Secretary Rick Perry tours Exelon's FitzPatrick plant. NRC approves emergency planning exemptions for Oyster Creek. Projected cost to complete new Vogtle reactors revised upward. Exelon applies for second license renewal for Peach Bottom. One NRC "white" finding at Clinton closed; another remains. Unit 3 is first to implement power uprate at Browns Ferry. Seabrook passes NRC's follow-up inspection of alkali silica reaction issue. NRC rejects petition from anti-nuclear groups. Maximizing the Assets: A status report on license renewal and power uprates. SCANA shareholders okay merger with Dominion. OSHA cites Day & Zimmerman for arc flash incident at Sequoyah. (See also Call for Papers, pp. 61–63, for the 2019 ANS Annual Meeting, June 9–13, Minneapolis, Minn.)

Security

25

\$220 million earmarked for MOX Fuel Fabrication Facility at Savannah River Site. Hacker group could pose threat to electric utilities. Study finds nuclear security not a high priority for congressional staffers. National Nuclear Security Administration's Office of Secure Transportation graduates largest class of agents since 2010. Department of Homeland Security unveils National Risk Management Center. Report from Nuclear Threat Initiative says nuclear material trafficking remains a concern.

Policy & Legislation

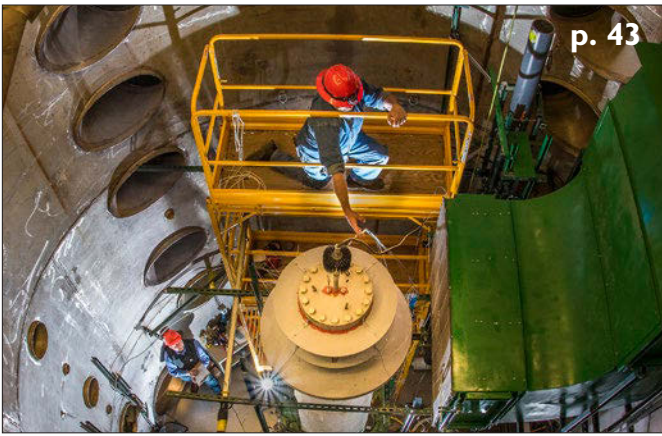
36

FERC chief of staff's words at Utility Working Conference stir controversy. FY 2019 defense spending bill includes funding for micro-reactor pilot program.

International

38

IAEA completes review of Saudi Arabia's nuclear infrastructure. Barakah One Company receives generation license from United Arab Emirates' Department of Energy. Hot functional testing completed at Barakah-2. Rolls-Royce may halt its small modular reactor project.



Waste Management 41

Holtec International to buy Oyster Creek, Pilgrim, Palisades for decommissioning. Sandia National Laboratories collects data on behavior of spent fuel from dry cask simulator. Cleanup plan issued for Hanford Site's 100-D and 100-H areas. NRC approves D&D plan for American Centrifuge Lead Cascade Facility.

Fuel 46

Cameco extends suspension of uranium production indefinitely. U.K. government awards fuel R&D contract to National Nuclear Laboratory and the Wood Group; other business developments. Vimy Resources acquires Alligator River uranium project; other news.

Education, Training & Workforce 52

IAEA program for teachers aims to engage students in learning about nuclear science and engineering. IAEA partners with Brazilian Society of Nuclear Medicine to increase training opportunities for nuclear medicine professionals. Horizon Nuclear Power hosts secondary students during "Work Insight Week." Pennsylvania State University's College of Engineering introduces nuclear security program. Students learn about cybersecurity through Cyber Defense Challenge.

Industry 55

Worker pay issues resolved at Columbia nuclear power plant. Westinghouse exits bankruptcy; other business developments. Fluor Marine Propulsion wins contracts to manage Naval Nuclear Laboratory; other pacts.

Standards 58

Standard approved; comments requested.

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