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### Coming up . . .

**December**—Special Section on Security

**January**—Special Section on Education, Training, and Workforce Issues

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**On the cover:** At American Electric Power's Cook plant, near Bridgman, Mich., workers build a negative-pressure enclosure around a feedwater heater during an asbestos removal and feedwater heater insulation project that won the Nuclear Energy Institute's 2016 Top Innovative Practice Award for Maintenance. An interview and photo feature on this project, as well as other maintenance-related articles, are included in the Special Section on Nuclear Power Plant Maintenance, which begins on page 43. (Photo: Advanced Nuclear)



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## Special Section: Nuclear Power Plant Maintenance 43

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Cook feedwater heater project 48

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Utility Working Conference: Boosting maintenance and work management efficiency  
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Nuclear Grand Challenges: Andy Klein on leading nuclear into the future  
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## Book Review

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REVIEWED BY ERIC P. LOEWEN 34

## Power 20

IEA report: Global energy investment moving toward cleaner energy. Summer-2 reactor vessel is placed in containment building structure; other updates. TVA puts unfinished Bellefonte plant up for sale. Renaissance Watch: An update on developments that may lead to new power reactors. Watts Bar-2 switchyard fire causes reactor trip. NRC issues 2016 mid-cycle assessments to licensees. INL report offers pathways to nuclear energy innovations. LaSalle-1 and -2 move one step closer to license renewal. Indian Point faces more delays; other safety updates. Earthquake leads to "unusual event" declaration at Cooper. Problems continue to plague struggling Pilgrim plant. FENOC issued order over false medical information. Unplanned shutdowns occur at five power reactors; reduced output reported at another.

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## Policy & Legislation 32

Federal circuit court rules on “social cost of carbon.” House of Representatives passes advanced nuclear technology bill.

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## International 36

China and the United States formally join Paris Agreement on climate change. Argentine President Macri supports nuclear cooperation with China National Nuclear Corporation. Embalse plant in Argentina receives four new steam generators. Ukraine’s MOU with South Korea focuses on Khmelnytsky. Second request made to suspend operation of Sendai in Japan. Saudi Arabia’s MOU with China National Nuclear Corporation aims to build up Saudi skills. Final consultation on Wylfa project launched in the United Kingdom. IAEA considers nuclear regulation in China to be effective.

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## Waste Management 78

Last of gaseous diffusion plant at Oak Ridge is demolished. Savannah River Site’s H Canyon resumes next step in fuel processing. DOE to consider disposal plan for DUOX. Greenland study to inform deep geologic repository safety.

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## Meetings 82

Decommissioning and Remote Systems 2016: Applying lessons learned and remote-operated systems to D&D.

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## Education, Training & Workforce 86

OPPD signs worker retention deals in preparation for closure of Fort Calhoun. Idaho State University student interns design robotic system for INL.

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## Industry 93

Areva begins transfer of fuel cycle assets to NewCo; other business developments. L-3 MAPPS moves to update Hongyanhe simulator; other contracts. Unqualified welder performed valve repairs; other 10 CFR Part 21 reports.

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## Isotopes & Radiation 95

Study on actinium-225 may pave way for chelator design. NRC cites International Cyclotron for failure to decommission site.

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## Fuel 97

Study at University of Saskatchewan finds that uranium mining emits few greenhouse gases. Western Australian Environmental Protection Authority approves two projects; other mining developments. NRC issues confirmatory action letter to Power Resources Inc. and notice of violation to Uranium One USA. U.S. uranium production ticks up in second quarter of 2016.

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## Standards & Documentation 99

Three standards approved, comments requested on three others. NRC invites comments on draft policy statement on public meetings; other NRC documents.

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