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Coming up . . .

December—Special Section on Waste Management

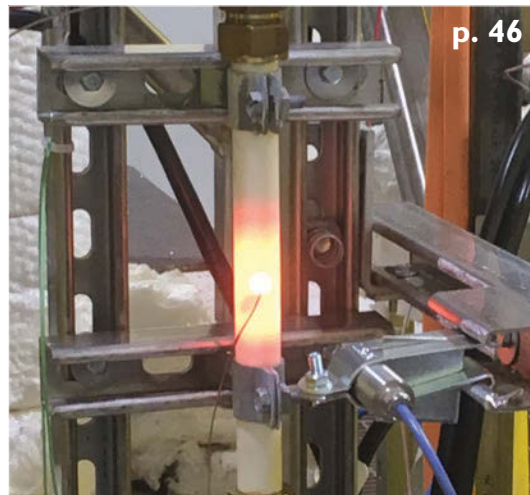
February—Special Section on the Capabilities of the Nuclear Science User Facilities

March—20th Annual Reference Issue

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On the cover: Westinghouse Manager of Global ATF Technology Bob Oelrich observes EnCore Fuel testing being conducted by Guoqiang Wang, William Byers, and the Accident Tolerant Fuel Test Team in Westinghouse's improved Ultra-high Temperature Test Facility located in Churchill, Pa. (Photo: Shamus Fatzinger/Westinghouse Electric Company LLC)



Feature Articles

Motta: On light-water reactor materials	22
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Accident-tolerant fuel: Enhancing safety	44
BY SUMIT RAY	

Power 13

DOE grants \$3.7 billion in new loan guarantees for Vogtle project. Maximizing the Assets: A status report on license renewal and power uprates. SCE&G and Santee Cooper sell their share of Toshiba settlement to Citibank. New report claims that SMRs could compete with natural gas on cost by 2030. Florida state senator asks NRC to delay decision regarding Turkey Point expansion.

Security 26

Government Accountability Office says National Nuclear Security Administration's nonproliferation program management needs improvement; other NNSA news.

Policy & Legislation 28

Energy Secretary Rick Perry seeks new market rules to aid nuclear, coal. Congress urged to act on spent fuel disposal. House bill would provide compensation to local communities for cost of storing spent fuel. EPA Administrator Scott Pruitt issues proposal to repeal Clean Power Plan.

International 31

France orders temporary shutdown of Tricastin reactors. Nuclear icebreaker is launched in Russia. Rolls-Royce makes the case for a U.K. SMR program. IAEA gives UAE's Barakah plant a positive safety review. Finland's Teollisuuden Voima Oyj appeals European Commission's approval of French state aid to Areva. Construction start date for Hanhikivi-1 pushed back to 2019. IAEA reaches funding target for new global health and development laboratory facility. Regulatory Cooperation Forum at IAEA General Conference highlights SMR licensing pilot project and safety culture self-assessment methodology for regulators. Bolivia inks contract with Russia for nuclear research center.



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Waste Management 37

DOE monitors disposal room at WIPP for possible rock fall. Waste Control Specialists to continue storing TRU waste from LANL under two-year DOE contract. Grouting begun in waste storage tunnel near Hanford Site's PUREX Plant. Remediation plan signed for uranium legacy sites in Central Asia. Study on high-burnup spent fuel storage at North Anna ISFSI reaches demo stage. NRC agrees to retain oversight of defunct uranium mill in Wyoming.

Fuel 41

NRC staff proposes doubling license terms for uranium recovery facilities. Namibia grants Bannerman Resources mineral deposit retention license for Etango uranium project; other mining developments. Cameco and Lost Creek ISR report leaks of yellowcake and injection fluid, respectively. Laramide Resources and Deep Yellow Limited release mineral resource estimates.

Isotopes & Radiation 48

Shortage of Pu-238 could put future NASA missions at risk, GAO says. NRC issues violation notices to healthcare firm and university in St. Louis, Mo.

Education, Training & Workforce 50

IAEA offers educational and training opportunities around the globe. IAEA signs agreements to advance international training in nuclear science and technology. NEA/IAEA study finds that 200,000 job-years are created by each 1,000 MWe of new nuclear capacity. Illinois Institute of Technology to offer radiochemistry track in health physics program.

Industry 59

Wood Group acquires Amec Foster Wheeler; other business developments. BWSR LLC is awarded decommissioning contract extension by Bechtel Marine Propulsion Corporation; other contracts. Callaway plant submits 10 CFR Part 21 report on differential pressure transmitters; other Part 21 reports.

Standards & Documentation 62

New standard published; one standard approved, comments requested on four others. NRC issues two regulatory guides, withdraws two others; other NRC documents.

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