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FEATURE ARTICLE 88

Doug Kothe: CASL and the virtual reactor
INTERVIEW BY RICK MICHAL

POWER 26

GE Hitachi's ESBWR, Westinghouse's AP1000, and Toshiba's ABWR near design certification. Maximizing the Assets: A status report on license renewal and power uprates. NRC presses TVA on Watts Bar-2 fire protection. Advisory Committee on Reactor Safeguards endorses Vogtle-3 and -4, makes recommendations. NRC expects three fewer applications for new reactor licensing work. Focus on Finance. Final environmental impact statement for Calvert Cliffs-3 awaits additional information from UniStar. Shaw temporarily halts module prototype work at fabrication facility. One petition denied, other denials proposed in license renewal proceeding for Vermont Yankee. Holtec creates subsidiary to develop small modular reactor design. NRC eases Oconee inspections, increases oversight of Robinson-2. NRC asks developers of small modular reactors to provide information on plans and schedules. Federal judges release funds for NuScale, Alternate Energy Holdings Inc.

SECURITY 38

GAO reviews guidelines for securing smart grid systems. Awards to be given for homeland security-related research. NNSA conducts West Africa workshop on border security.

INTERNATIONAL 79

Brazil, Argentina sign agreement to build research reactors. GE Hitachi signs supply agreements with two Polish companies. Major investors withdraw from Romania's Cernavoda-3 and -4 project. Political turmoil erupts in Egypt as nuclear tender planned. IAEA conducts regulatory peer reviews in Romania and Spain. Malaysian government forms corporation to explore nuclear power. Wright succeeds Poulsou as managing director of U.K.'s Sellafied Ltd. Nuclear Power Delivery UK signs supply chain MOUs for AP1000. Canada's Bruce Power to ship decommissioned steam generators to Swedish recycling facility. EDF adds to nuclear decommissioning fund. International effort to clean up Soviet nuclear legacy making progress. Installation of fourth—and final—steam generator at Finland's Olkiluoto-3 is completed.
WASTE MANAGEMENT
NRC extends time period for on-site storage of used nuclear fuel. Improved access to Hanford Site waste tank to speed up radwaste removal. NRC hosts public meetings on Zion decommissioning. Dome removed from heavy-water test reactor at Savannah River Site. Weapons-production waste retrieved from Idaho Site’s Pit 9.

INDUSTRY
General Electric closes $3-billion deal to acquire Dresser Inc.; other business developments. Westinghouse signs agreements on fuel fabrication, AP1000 deployment in China; other contracts.

RESEARCH
High-energy collisions at Large Hadron Collider delayed until 2014.

FUEL
USEC looks to continue operations at Paducah Gaseous Diffusion Plant. Cameco to buy uranium produced in Finland. NRC finds no environmental impacts from proposed in situ uranium recovery project in Wyoming.

EDUCATION, TRAINING & WORKFORCE
U.S., international partners establish National Center for Radioecology. Workshop introduces teachers to Entergy’s nuclear power education program. National Nuclear Science Week event held on Capitol Hill.

ISOTOPES & RADIATION
NRC issues notice to medical licensees on release of patients treated with iodine-131.

STANDARDS
Standard approved, comments requested; new standards projects initiated.

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