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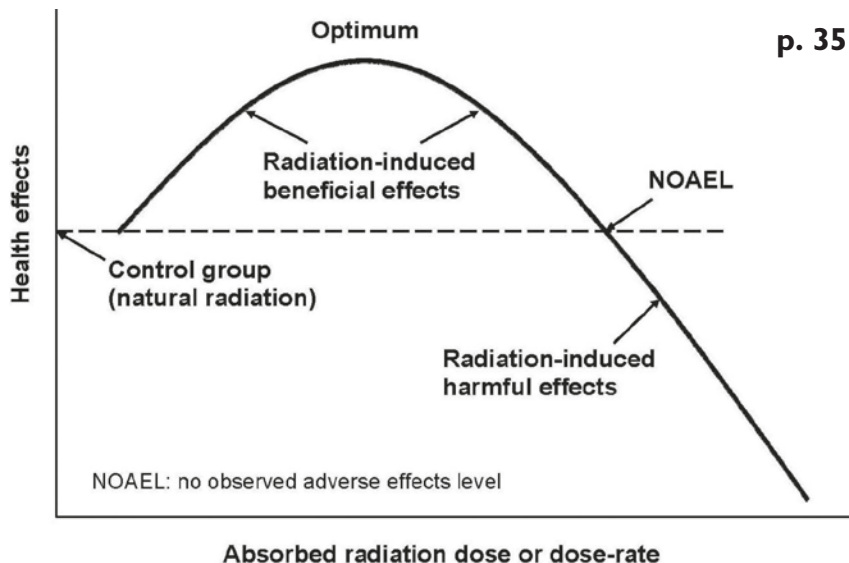
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Coming up . . .

October—Special Section on Outage Management and Plant Maintenance

December—Special Section on Waste Management

On the cover: In the upper photo, men in Ramsar, Iran, located in a region known for having the highest levels of natural background radiation on Earth—about 260 millisieverts per year versus the world average of 2.4 mSv per year—bathe in a natural hot springs spa, with high radium levels, in the city's Talesh Mahalleh district. In the lower photo, radiation control technician Martin Troutt helps keep radiation decontamination workers safe at the U.S. Department of Energy's Paducah Site using instruments to measure two types of radiation, as well as rates of exposure for the workers, who clean up some of the site's most contaminated buildings prior to demolition. Authors Jerry Cuttler and William Hannum discuss the supporting science for less restrictive radiation dose protection limits in their article, "Current radiation protection limits: An urgent need for change," which begins on page 34. (Photos: Upper, <<http://webecoist.momtastic.com>>; lower, DOE)



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Feature Article

34

Current radiation protection limits: An urgent need for change

BY JERRY M. CUTTLER AND WILLIAM H. HANNUM

Power

14

SCE&G withdraws petition to abandon Summer project pending government review. First steam generator placed at Vogtle-3. Quorum restored at Federal Energy Regulatory Commission, acting chairman named. Connecticut regulators to study viability of Millstone plant. NRC responds to Entergy's Pilgrim recovery plan with confirmatory action letter. NRC issues TVA confirmatory order on work culture. Circuit court extends litigation abeyance period for Clean Power Plan. Florida Power & Light, Miami reach \$27-million power line settlement involving Turkey Point expansion. Focus on Finance. Maximizing the Assets: A status report on license renewal and power uprates. University of Pennsylvania study: Public views hold back nuclear power. EIRP study predicts competitive costs for advanced reactors.

Security

27

Ghanaian reactor converted to low-enriched uranium fuel; other NNSA news. Report says nuclear is needed to meet U.S. security imperatives.

International

30

China's Sanmen-1 passes pre-fueling safety audit. CGN stages Hualong One "going global" summit. CGN submits preliminary safety report for UK HPR1000 Generic Design Assessment. Cold hydrostatic testing completed at United Arab Emirates' Barakah-2. Spain's Santa María de Garoña plant relicensing denied. IAEA report says nuclear power's long-term potential remains high.

Isotopes & Radiation

40

SHINE Medical Technologies breaks ground on new Mo-99 production plant. Puerto Rican company's inaction incurs \$7,000 fine.



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Waste Management 42

Options weighed for PUREX tunnels at Hanford Site. Demolition of Hanford's Plutonium Finishing Plant nears completion. NRC relaxes order, avoids abandonment of rare-metal extraction facility in Oklahoma. NRC takes further action related to Yucca Mountain licensing process. Supercompactor at Idaho Site's Advanced Mixed Waste Treatment Project reaches performance milestone.

Fuel 50

Areva and Westinghouse planning accident-tolerant fuel tests for 2019. NexGen Energy announces results of preliminary economic assessment for Saskatchewan's Arrow deposit. NRC issues confirmatory order for scrubber event at Westinghouse's Columbia Fuel Fabrication Facility. Western Australia's Wiluna expansion receives final environmental approval. China National Nuclear Corporation marks production of 200,000 HTGR fuel elements. Agreements may lead to uranium projects changing hands.

Industry 54

Jacobs to buy CH2M for \$3.27 billion; other business developments. BWXT receives \$84 million in Bruce, NASA contracts; other pacts. Twelve GE Hitachi control rod drive mechanisms reported as potential safety hazard; other 10 CFR Part 21 reports.

Standards & Documentation 57

New standard published; standards projects initiated. NRC draft regulatory guide issued for comment; NUREGs issued.

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