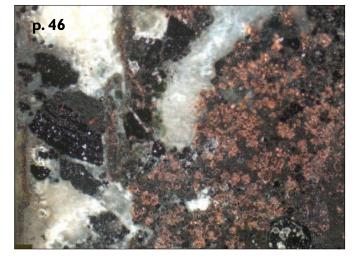
Nuclear News



October 2015

Volume 58, Number 11





DEPARTMENTS

EDITORIAL

Backscatter	100
Calendar	6
Calls for Papers	10
Equipment & Services	99
Late News	17
Nuclear Notes	4
People	96
Publisher's Statement	99
Recently Published	12
ADVERTISING	

Direct Answer	86
Index to Advertisers	85
Employment Ads Begin	95

Coming up ...

December—Special Section on Fuel (See page 94)

Members: View Nuclear News online!

At <www.ans.org>, click on Member Center at the upper right of your screen. Log in with your user name (member ID#) and password (last name, all lowercase, or your selected password). Click on the heading for the current issue of Nuclear News.

SPECIAL SECTION: NUCLEAR POWER PLANT MAINTENANCE 45 Planning allows for maximization of steam generator effectiveness BY RYAN WOLFE 46 Prolonging steam generator life with improved sludge removal 52 Columbia's 22nd refueling and maintenance outage: 58 13,000 tasks in 50 days Utility Working Conference: The Institute of Nuclear Power Operations on maintenance and work management 64

BY MICHAEL MCOUEEN

POWER

Severe Accident Management Guidelines requirement dropped from post-Fukushima mitigation rule. NRC to provide flood hazard information for 89 reactors by year-end. Renaissance Watch: An update on developments that may lead to new power reactors. NRC rejects petitions to rescind Part 51 rules. Exelon defers decision on closing Byron, Quad Cities. Dominion, NRC settle dispute over use of change process in 10 CFR 50.59 at Millstone-2. Vogtle and Summer cost and schedule updates OK'd. NRC to increase oversight of Pilgrim because of valve issue. "Cumulative effects" won't get NRC rulemaking. Levy environmental impact statement left intact; other licensing developments. NRC commissioners nix contentions on Fermi-2 license renewal.

SECURITY

Iran nuclear deal survives congressional review. Legislators, others weigh in on MOX fuel facility at Savannah River Site. Sandia Corporation settles with Department of Justice over lobbying charges.

INTERNATIONAL

IAEA agrees to carry out monitoring of Iran's nuclear-related commitments. Flamanville-3 startup target date is now late 2018. China General Nuclear Power Group aims to build Hualong One units in Kenya. IAEA and Kazakhstan sign agreement on low-enriched uranium fuel bank. China's first Hualong One project passes second milestone. Two oldest units at Sweden's Ringhals nuclear plant to close in 2020. Canadian Nuclear Safety Commission issues report on severe accident study. Local companies win contracts for UAE's Barakah project. Tokyo Electric Power Company plans for deregulation of Japan's electricity market.

32

14

36





WASTE MANAGEMENT

Department of Energy and Washington River Protection Solutions are sued over tank vapors at Hanford Site. Leaked report identifies design flaws at Hanford's Low Activity Waste facility. Gloveboxes removed from Hanford's McCluskey Room. "Smoldering event" at West Lake Landfill is contained, owner says. U.K. companies cooperate to reduce intermediate-level waste volume. ASLB to hear challenges to Vermont Yankee's decommissioning funding.

MEETINGS

Utility Working Conference: Meeting sustainability challenges in the nuclear industry.

INDUSTRY

Holtec submits safety analysis report on HI-STAR 190 transport cask to NRC; other business developments. Rotating Equipment Repair breaks ground on new 55,000-square-foot facility. Westinghouse wins D&D contract from EnBW Kernkraft GmbH; other awards. Furmanite, Crane, others send 10 CFR Part 21 reports to NRC.

ISOTOPES & RADIATION

Cobalt-60 flash at International Isotopes facility not considered severe. Hearing opportunity announced on Army source materials license amendment.

FUEL

Boss Resources acquires Honeymoon *in situ* uranium project from Uranium One. Fission Uranium releases preliminary economic assessment for Triple R uranium project; other news.

STANDARDS & DOCUMENTATION 94

Two revised ANSI/ANS standards approved. NRC issues one final, two draft regulatory guides, other documents.

Editorial Staff

EDITOR & PUBLISHER Betsy Tompkins

INTERNATIONAL EDITOR Dick Kovan

PRODUCTION EDITOR Patricia A. Matas

SENIOR EDITOR E. Michael Blake DESKTOP EDITOR Chris Salvato EDITORIAL ASSISTANT

SENIOR ASSOCIATE EDITOR Phyllis Ruzicka

> ASSOCIATE EDITORS Michael McQueen Tim Gregoire

Susan Gallier CONTRIBUTING COLUMNISTS Linda C. Byus Bill Minkler

Advertising & Circulation Staff

SALES MANAGER Jeff Mosses

ADVERTISING/PRODUCTION ASSISTANT MANAGER Erica McGowan

ADVERTISING SALES ASSISTANT Jessica Vazquez

Editorial Advisory Committee

Jess C. Gehin, John C. Gilligan, and Kevan D. Weaver

ANS Officers

PRESIDENT Eugene S. Grecheck VICE PRESIDENT/ PRESIDENT-ELECT Andrew C. Klein

TREASURER Steven A. Arndt

CHAIRMAN, ANS PUBLICATIONS STEERING COMMITTEE Martin L. Grossbeck

Administrative

EXECUTIVE DIRECTOR Robert C. Fine

ANS Headquarters

GENERAL NUMBER 708/352-6611 Fax 708/352-0499 www.ans.org NUCLEAR NEWS EDITORIAL 708/579-8245 Fax 708/579-8204 nucnews@ans.org

NUCLEAR NEWS ADVERTISING

708/579-8226 800/NUC-NEWS Fax 708/352-6464 www.ans.org/advertising advertising@ans.org INTERNATIONAL EDITOR (DICK KOVAN) 902/455-3575 dkovan@ans.org

Nuclear News (ISSN: 0029-5574), Volume 58, Number 11. Published monthly (except during the month of April when issued rwice monthly) by the American Nuclear Society, Incorporated, with business, executive, and editorial offices at 555 N. Kensington Ave., La Grange Park, Illinois 60526; telephone 708/352-6611. Subscription rate for 2015 is 5580, which includes complimentary electronic access, 2008 to current issue; for subscriptions outside North America, add \$70 for shipping and handling. Alternatively, subscription rate is \$510 for Electronic Access Only, 2008 to current issue; Single copy price (regular monthly issue) is \$45; add \$112 for postage and handling if being shipped to address outside North America. Single copy price for annual mid-April Buyers Guide is \$110; add \$15 for postage and handling if being shipped to address outside North America. Individual ANS members receive *Nuclear News* as part of membership. Replacement copies may be obtained at the single copy price, as long as copies are available. Inquiries about the distribution and delivery of *Nuclear News* and requests for changes of address should be directed to the American Nuclear Society, Allow six weeks for a change to become effective. POSTMASTER: Send change of address orders to *Nuclear News*, American Nuclear Society, 555 N. Kensington Ave., La Grange Park, Illinois 60526, or runcews@ans.org.-*Nuclear News* is printed in New Richmond, Wis. 54017, by St. Croix Press, Inc. Nonprofit periodicals postage paid ta La Grange. Illinois, and at additional mailing offices. Copyright © 2015 by the American Nuclear News is printed in New Richmond, Wis. 54017, by St. Croix Press, Inc. Nonprofit periodicals

Nuclear News is printed in New Richmond, Wis. 54017, by St. Croix Press, Inc. Nonprofit periodicals postage paid at La Grange, Illinois, and at additional mailing offices. Copyright © 2015 by the American Nuclear Society, Inc. Trademark registered in USA and Canada. Opinions expressed in this publication by the authors are their own and do not necessarily reflect the opin-

Opinions expressed in this publication by the authors are their own and do not necessarily reflect the opinions of the editors, the American Nuclear Society, or the organizations with which the authors are affiliated, nor should publication of author viewpoints or identification of materials or products be construed as endorsement by this publication or by the Society.

Texts of most Nuclear News articles are available on the LexisNexis database, from Mead Data Corporation.





87

90

92

72