Editorial Staff

EDITOR & PUBLISHER Betsy Tompkins INTERNATIONAL EDITOR Dick Kovan SENIOR EDITORS Rick Michal E. Michael Blake

senior associate editor Phyllis Ruzicka

PRODUCTION EDITOR Patricia A. Matas DESKTOP EDITOR Chris Salvato

editorial assistant Susan Gallier

CONTRIBUTING COLUMNISTS Linda C. Byus Bill Minkler

Advertising & Circulation Staff

SALES MANAGER Jeff Mosses

ADVERTISING/PRODUCTION ASSISTANT MANAGER Erica McGowan

CIRCULATION ASSISTANT Bess Weglarz

Editorial Advisory Committee

Sam K. Bhattacharyya, Roger S. Reynolds, Roger W. Tilbrook, and Paul Turinsky

ANS Headquarters

GENERAL NUMBER 708/352-6611 Fax 708/352-0499 Web site <www.ans.org>

NUCLEAR NEWS ADVERTISING 708/579-8226, 800/NUC-NEWS Fax 708/352-6464 Web site <www.ans.org/advertising> e-mail <advertising@ans.org>

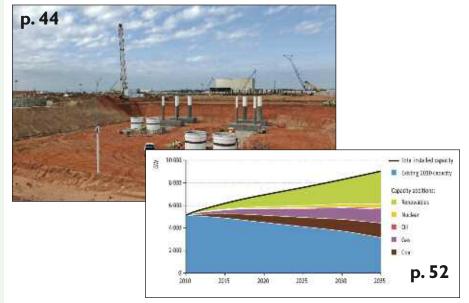
> NUCLEAR NEWS EDITORIAL 708/579-8245 Fax 708/352-6464 e-mail <nucnews@ans.org>

INTERNATIONAL EDITOR (DICK KOVAN) +44 1737 842687 e-mail <dkovan@compuserve.com>

Nuclear News

January 2012

Volume 55, Number 1



FEATURE ARTICLES

The year ahead: This time for sure?	BY E. MICHAEL BLAKE	44

2012 Preview: Impact of Fukushima Daiichi on global prospects for nuclear BY DICK KOVAN 50

10-year D&D program under way at Zion plant BY RICK MICHAL 59

SPECIAL REPORT: 2011 ANS WINTER MEETING 63

ANS Winter Meeting: The status of global nuclear deployment First ANS SMR 2011 Conference Lessons learned: Young Professionals Congress looks at history

INDEX TO 2011 NUCLEAR NEWS CONTENTS 22

POWER

26

37

54

63

79

81

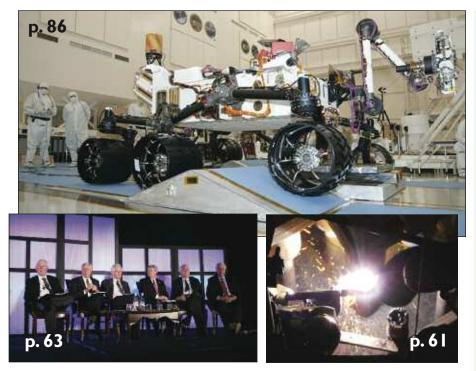
Jaczko votes to publish AP1000 certification final rule. Revised emergency plan rule published in final form. Focus on Finance. Study sees potential for small modular reactors to compete with gas-fired generation. Is yellow inspection finding at Oconee an old design issue? Davis-Besse restart allowed while concrete studies continue. Special inspection at Brunswick; other operational events. NRC takes no significant action on four petitions. Maximizing the Assets: A status report on license renewal and power uprates. Fukushimarelated motions in licensing proceedings continue to be denied. Levy site tour, limited statements scheduled; other licensing actions.

INTERNATIONAL

Power reactor stress tests in the European Union said to be on track. EU proposes additional €500 million to close Soviet-era reactors. Fuel loading begins at Canada's longidled Bruce-1. Vietnam's pact with Japan upheld; new pact made with South Korea. Three sites on short list for Poland's first nuclear plant. United Kingdom chooses reuse as MOX to manage plutonium stock. Nuclear research center opens in West Cumbria. NuGeneration names U.K. project Moorside. INPRO issues action plan, vision statement.

FUEL

DOE completes shipments of downblended LEU to TVA. Final action awaited on withdrawal of Grand Canyon–area land from mining. Virginia uranium mining could bring in \$136.7 million a year. Rio Tinto outbids Cameco for Hathor.



WASTE MANAGEMENT

GAO finds DOE's reprocessing R&D plan lacks details.

MEETINGS

2011 ANS Winter Meeting. First ANS SMR Conference. Young Professionals Congress.

EDUCATION, TRAINING & WORKFORCE

United Kingdom's nuclear and construction groups team up for skills training.

INDUSTRY

GE Hitachi, Fluor jointly pursue Finland reactor bid; other business developments. Scientech controllers found to have spring clip issue. Flowserve issues notices on two actuator types. Three deals for Studsvik; other recent contracts.

ISOTOPES & RADIATION

Mars probe launched, with multi-mission radioisotope thermoelectric generator for rover. Petitioner seeks alarms in neutron source locations. Shieldalloy appeals NRC transfer of authority to New Jersey.

RESEARCH

DOE Under Secretary Koonin has doubts on NIF ignition in FY 2012. EU officials agree on Europe's ITER funding.

STANDARDS

Three standards approved, other actions.

DEPARTMENTS

EDITORIAL		People	90
Backscatter	92	Recently Published	20
Calendar	6	Short Courses & Seminars	12
Calls for Papers	14	ADVERTISING	
Late News	17	Direct Answer	78
Letters	21	Index to Advertisers	77
Nuclear Notes	4	Employment Ads Begin	85

January 2012

ANS Officers

PRESIDENT Eric P. Loewen VICE PRESIDENT/PRESIDENT-ELECT Michael L. Corradini TREASURER Michaele C. Brady Raap

CHAIRMAN, ANS PUBLICATIONS STEERING COMMITTEE Martin L. Grossbeck

Administrative

INTERIM EXECUTIVE DIRECTOR Roger W. Tilbrook

Coming up ...

March—14th Annual Reference Issue April—Special Section on Outage Management

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*.

CAN AUG

62

63

83

84

86

88

89



Nuclear News (ISSN: 0029-5574), Volume 55, Number 1. Published monthly (except during the month of April when issued twice monthly) by the American Nuclear Society, Incorporated, with business, executive, and editorial offices at 55 N. Kensington Ave., La Grange Park, Illinois 60526; tel-phone 708/352-6611. Subscription rate is \$440 for 2012; overseas subscribers add \$70 per year for postage and handling. Additional fee for online access is \$110. Single copy price is \$40; \$12 additional for overseas postage and handling (except for the Buyers Guide issue, which is \$105; \$15 additional for overseas postage and handling). 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 Nu-clear 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 <nucnews@ans.org>.

Nuclear New 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 © 2012 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 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.