Editorial Staff

EDITOR & PUBLISHER Betsy Tompkins

INTERNATIONAL EDITOR

Dick Kovan

SENIOR EDITOR
Richard A. Michal

SENIOR ASSOCIATE EDITOR

E. Michael Blake

ASSOCIATE EDITOR
Phyllis Ruzicka

PRODUCTION EDITOR

Patricia A. Matas

DESKTOP EDITOR

Chris Salvato

EDITORIAL ASSISTANTS

Susan Gallier Sarah Wells

CONTRIBUTING COLUMNIST

Bill Minkler

Advertising Staff

ADVERTISING AND CIRCULATION SALES MANAGER

Jeff Mosses

ADVERTISING/PRODUCTION ASSISTANT

Erica McGowan

CIRCULATION ASSISTANT
Bess Weglarz

Editorial Advisory Committee

Ramon Ashley, Sam K. Bhattacharyya, Roger 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

June 2006 Volume 49, Number 7



SPECIAL SECTION: HEALTH PHYSICS

Paul DeLuca: On health physics INTERVIEW BY RICK MICHAL 26

Source term removal results at V. C. Summer By John Hunsicker 30

Stakeholders and radiological protection: Lessons from Chernobyl

BY DICK KOVAN 38

POWER 9

NRC issues generic letter on Hemyc, MT fire barriers. IRS publishes guidance on production tax credits for new reactors. Dale Klein nominated to NRC, will become chairman if confirmed. NRC renews licenses for all three Browns Ferry reactors. Environmental impact statements, scoping begun for Pilgrim, Vermont Yankee license renewals. Floated parts container leads to worker exposures at Palisades. Draft EA/FONSI favors power uprate for R. E. Ginna. CASEnergy poll finds strong public support for nuclear power. Turbine's failure to trip prompts manual scram at Kewaunee. Maximizing the Assets: A status report on license renewal and power uprates. NRC proposes rulemaking for developing risk-informed regulations for new reactors. N.J. public advocate fights Exelon-PSEG merger.

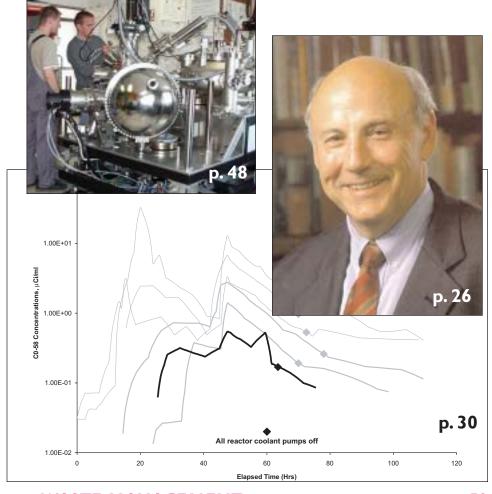
SECURITY 20

GAO says NRC needs to improve process for revising design basis threat. NNSA proposes plan for smaller, more secure weapons stockpile.

INTERNATIONAL

44

One-third of control rods fail at Kozloduy-5. Chinese win Cernavoda-2 commissioning work. Romanian ministry says government should go ahead with construction of Cernavoda-3 and -4. Electricité de France gives green light for EPR project. Feedwater flow meter test data falsified at three Japanese plants. Latest Chernobyl-related cancer risk projections published. Spain's first power reactor ends operations. Worker at Belgian irradiation facility receives 4-Gy dose. IAEA sets up project to research alternative methods of producing Mo-99. Australia's first synchrotron instrument launched in Taiwan. Draft recommendations released for management of radioactive waste in the United Kingdom. IAEA intensifies support for converting research reactors from HEU to LEU, fuel repatriation.



WASTE MANAGEMENT

Investigation closes on Yucca Mountain project's questionable QA records. NRC rejects IG's recommendations regarding decommissioning funding assurance. Studsvik acquires RACE; Duratek signed at Hanford.

RESEARCH 61

Argonne contract open for bid; TJNAF winner announced. Spallation source produces first neutrons.

FUEL 62

USEC president says expansion of nuclear power depends on reliable fuel supply. DOE lab directors voice support for GNEP. NRC amends regulations for import and export of nuclear equipment and material.

ISOTOPES & RADIATION

64

Hearing to be held on proposed food irradiation facility in Hawaii. Deal made to develop, supply drug for treating GBM form of brain cancer.

INDUSTRY 65

Fluke Biomedical expands capabilities at two sites; other business developments. Mitsubishi chosen to supply replacement steam generators for Doel-1; other contracts.

DEPARTMENTS

ANS Membership Application	59	70	Literature from Suppliers
Backscatter	72	4	Nuclear Notes
Calendar	6	66	People
Calls for Papers	7	0	•
Equipment & Services	68	8	Proceedings Available
Index to Advertisers	57	8	Recently Published
Late News in Brief	17	69	Software/Databases Available

ANS Officers

PRESIDENT
E. James Reinsch

VICE PRESIDENT/PRESIDENT-ELECT Harold F. McFarlane

TREASURER William F. Naughton

CHAIRMAN, ANS PUBLICATIONS
STEERING COMMITTEE
Robert W. Hess

Administrative

EXECUTIVE DIRECTOR Harry A. Bradley

Coming up ...

August—12th Annual Vendor/ Contractor Profile Issue October—Special Section

on Plant Maintenance





Nuclear News (ISSN: 0029-5574), Volume 49, Number 7. 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 555 N. Kensington Ave., La Grange Park, Illinois 60526; telephone 708/352-6611. Subscription rate is \$365 for 2006; overseas subscribers add \$56 per year for postage and handling. Single copy price is \$35; \$10 additional for overseas postage and handling (except for the Buyers Guide issue, which is \$110; \$12 additional for overseas postage and handling.) Individual ANS members receive NN 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 <nucnews@ans.orgs.

Nuclear News is printed in New Richmond, Wis. 54017, by St. Croix Press, Inc. Nonprofit periodicals postage paid at La

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 © 2006 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 NEXIS database, from Mead Data Corporation.

3