

James R. White, Consulting

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File - Acton

Dear Dr. Snyder

I would be grateful for additional
information on the progress of the TMI-2
Cleanup.

Thank you

James R. White

News Flashes

Fermi Unit 2

On March 20, 1985, the Nuclear Regulatory Commission issued a license to Detroit Edison Company and Wolverine Power Supply Corporation, Incorporated, for the Fermi 2 nuclear power plant. This license authorizes fuel loading and the conduct of low power testing up to five percent of full power. Fermi Unit 2 uses a boiling water reactor and at full power will have an electrical output of about 1093 megawatts.

Waterford Unit 3

On March 16, 1985, the Nuclear Regulatory Commission issued a license to Louisiana Power & Light Company for full power operation of the Waterford Steam Electric Station Unit 3. Waterford 3 uses a pressurized water reactor and at full power will have an electrical output of about 1104 megawatts. The plant was licensed on December 18, 1984, for fuel loading and low power testing up to five percent of full power.

Wolf Creek Nuclear Plant

On March 11, 1985, the Nuclear Regulatory Commission issued a license to Kansas Gas and Electric Company and other owners authorizing them to load fuel into the Wolf Creek Generating Station and conduct low power testing up to five percent of full power. The other owners are Kansas City Power & Light Company and Kansas Electric Power Cooperative, Inc. The Wolf Creek Station has a pressurized water reactor and at full power will have an electrical output of about 1150 megawatts.


TMI-2 Cleanup

Given below are the accomplishments, future goals, and the views of the Nuclear Regulatory Commission on the cleanup of Three Mile Island Unit 2 (TMI-2) of General Public Utilities Nuclear (GPU Nuclear).

Nuclear

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In February 1984, the polar crane test was successfully conducted. Five months later the reactor pressure vessel head was removed. In December 1984, the reactor vessel plenum was jacked up seven and one-half inches allaying fears that it may be stuck and require cutting to remove. Removal of the plenum, scheduled in May 1985, represents the last major hurdle prior to fuel removal operations. According to GPU Nuclear's latest estimate, dated July 2, 1984, the target date for the completion of reactor fuel removal from the primary system is June 1987.

For further information, contact Dr. Bernard J. Snyder, Director, Three Mile Island Program Office, Office of Nuclear Reactor Regulation, U. S. Nuclear Regulatory Commission, Washington, DC 20555; telephone (301) 492-7761.

(Continued on next page)

Reactor Fuel Rod Analysis

The latest versions of the Fuel Rod Analysis Package (FRAP), a nuclear safety computer code series for analyzing the behavior of reactor fuel rods, have been developed at the Department of Energy's Idaho National Engineering Laboratory (INEL). FRAPCON-2 and FRAP-T6, developed through funding from the Nuclear Regulatory Commission, represent the state of the art in light water reactor fuel rod analysis. The codes are able to analyze fuel temperatures, fuel cladding stress, and fuel chemistry so that fuel rod integrity and fission product inventory can be predicted. FRAPCON-2 is used for analyzing fuel behavior under steady-state (normal operating) conditions, and FRAP-T6 is used for transient (off-normal or accident) conditions. The accuracy and reliability of the FRAP codes have been verified by experiments at the INEL's Loss-of-Fluid Test Facility and Power Burst Facility. The FRAP codes are now used extensively by the Nuclear Regulatory Commission and the nuclear industry. For details contact Terry A. Smith, Public Information & Communications, EG&G Idaho, P. O. Box 1625, Idaho Falls, Idaho 83415; telephone (208) 526-1320.

Donation

EG&G Services, Inc., Idaho Falls, has donated fifteen software packages valued at \$65,000 to Virginia Tech, Industrial Engineering and Operations Research Department's Safety Option Program. The donation included CMORT®, which is the computerized management oversight and risk tree software. CMORT® has been acquired by several nuclear power utilities.

Decon Technology

IT Corporation, a subsidiary of International Technology Corporation, has obtained a nonexclusive U. S. license from the Electric Power Research Institute (EPRI) for use of its patented LOMI solvent technology in the decontamination of nuclear power

U.S. Nuclear Regulatory Commission Engineers get a hold on your future.

HEADQUARTERS POSITIONS

(Office of Nuclear Reactor Regulation
Bethesda, MD)

The NRC Operator Licensing Program has vacancies for individuals with OPERATOR or SR REACTOR OPERATOR LICENSING experience as REACTOR ENGINEERS and TRAINING/ASSESSMENT SPECIALIST (SRO). Salary negotiable. Candidates must hold or must have held a SR REACTOR OPERATOR LICENSE or Instructor Certification on a commercial nuclear power plant.

- REACTOR ENGINEER (Operator Licensing) (VA #R85-0744-7)
- PROJECT MANAGER (VA #84-2685)
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- NON-DESTRUCTIVE EXAMINATION SPECIALIST (VA #85-0350-7)

(Office of Inspection and Enforcement,
Bethesda, MD)

- REACTOR ENGINEER (Systems)

(Office of Nuclear Material Safety and
Safeguards, Silver Spring, MD)

- PROJECT MANAGER (Operation Research) (VA #85-1077-2)

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U.S. Nuclear
Regulatory
Commission

Division of Personnel
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Washington, DC 20555

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Region I, 631 Park Avenue,
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- REACTOR ENGINEER (Multiple Positions)
- HEALTH PHYSICIST (VA #84-RI-033)

Region II, 101 Marietta Street,
Suite 2900, Atlanta, GA 30303

- REACTOR INSPECTOR (Multiple Positions)
- RESIDENT INSPECTOR (Multiple Positions)
- REACTOR ENGINEER

Region III, 799 Roosevelt Road,
Glen Ellyn, IL 60137

- FUEL FACILITIES INSPECTOR
- REACTOR ENGINEERS (Nuclear Engineer)
- RESIDENT INSPECTOR
- HEALTH PHYSICIST

Region V, 1450 Maria Lane, Suite 210,
Walnut Creek, CA 94596

- REACTOR ENGINEER
- RESIDENT INSPECTOR

ACRS Graduate and Post Doctoral Fellowships
Opportunities exist for GG 12/13 individuals to work in reactor safety research, the study of Generic issues related to nuclear power plant safety, and the review of specific nuclear power plant license applications. Send applications to Headquarters Office, Attn: AI Newsom (ACRS).

FOR REGIONAL OFFICE POSITIONS, apply to office(s) of choice directly. Use Federal Employment Application Form (SF-171) when applying for all positions. It's available at most offices. A resume, however, may be submitted for preliminary consideration. Refer to job vacancy numbers where indicated.

FOR HEADQUARTERS POSITIONS, apply to Washington, DC address below. Submit resume including salary requirement.

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Entry level positions also exist for individuals who are graduating with engineering degrees in electrical, mechanical, nuclear and health/radiation physics. Apply to Washington, DC address.

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plant systems and components.

The LOMI (low oxidation state metal ions) solvent dissolves radioactive metal oxide deposits, which accumulate on primary circuit piping surfaces in nuclear reactors, thereby reducing radiation doses to reactor personnel during inspections and maintenance work. The solvent was developed by researchers at the Central Electricity Generating Board of Great Britain under EPRI funding. The process has been successfully applied in Britain at the Winfrith test reactor and on a Surry steam generator channel head.

Chairman, INPO

James J. O'Connor, chairman, president and chief executive officer (CEO) of Commonwealth Edison Company, was elected chairman of the Board of Directors of the Institute of Nuclear Power Operations (INPO) at the board's March 20 meeting. He succeeds Lelan F. Sillin, Jr., chairman of the board of trustees of the executive committee of Northeast Utilities, who has retired after holding the post of INPO board chairman since 1982. Sillin was one of the charter members of the INPO Board of Directors. ■