



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

February 22, 1993

Docket  
File

Docket Nos. 50-213, 50-245  
50-336, 50-423

Mr. John F. Opeka  
Executive Vice President, Nuclear  
Connecticut Yankee Atomic Power Company  
Northeast Nuclear Energy Company  
Post Office Box 270  
Hartford, Connecticut 06141-0270

Dear Mr. Opeka:

SUBJECT: HUMAN PERFORMANCE IN OPERATING EVENTS

We want to bring to your attention a report which may be of value during reviews or modifications of human factor programs. A copy of this report, NUREG-1275, Volume 8, "Operating Experience Feedback Report -- Human Performance in Operating Events," is enclosed for your information.

The report is a summary of the results of an NRC program begun in 1990 to conduct onsite studies of operating events in which human performance was a significant contributor to the course of the event. The staff conducted the program to find those factors that either contributed to or hindered good operator performance during the events. During the program, the staff visited 16 sites for study. Before publishing the NUREG report, the staff issued the information to utilities and other interested industry groups for comment.

In the report, the NRC compiled experience with control room staffing and organization, the "dual role" of the shift technical advisor, use of shift resources, operator control of engineered safety features, the effect of simulator training, operator teamwork, task awareness, use of procedures, human/machine interface, and the results of reviewing operator performance after an event. The report contains useful insights on how operating crews perform during actual events.

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Mr. John F. Opeka

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This study contains no requirements or requests for action and is intended for your information and use as you find appropriate. We recognize that the interaction among procedures, training, and organizational factors is complex such that there is no single solution for all plants.

Sincerely,

Original Signed By

Thomas E. Murley, Director  
Office of Nuclear Reactor Regulation

Original Signed by:  
E. L. Jordan

Edward L. Jordan, Director  
Office for Analysis and Evaluation  
of Operational Data

Enclosure:  
NUREG-1275

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Mr. John F. Opeka  
Nuclear Northeast Nuclear Energy Company

Haddam Neck Plant & Millstone  
Power Station, Unit Nos. 1, 2 & 3

cc:

Gerald Garfield, Esquire  
Day, Berry and Howard  
Counselors at Law  
City Place  
Hartford, Connecticut 06103-3499

R. M. Kacich, Director  
Nuclear Licensing  
Northeast Utilities Service Company  
Post Office Box 270  
Hartford, Connecticut 06141-0270

W. D. Romberg, Vice President  
Nuclear, Operations Services  
Northeast Utilities Service Company  
Post Office Box 270  
Hartford, Connecticut 06141-0270

D. O. Nordquist  
Director of Quality Services  
Northeast Utilities Service Company  
Post Office Box 270  
Hartford, Connecticut 06141-0270

Kevin McCarthy, Director  
Radiation Control Unit  
Department of Environmental Protection  
State Office Building  
Hartford, Connecticut 06106

Regional Administrator  
Region I  
U.S. Nuclear Regulatory Commission  
475 Allendale Road  
King of Prussia, Pennsylvania 19406

Allan Johanson, Assistant Director  
Office of Policy and Management  
Policy Development and Planning Division  
80 Washington Street  
Hartford, Connecticut 06106

First Selectmen  
Town of Waterford  
Hall of Records  
200 Boston Post Road  
Waterford, Connecticut 06385

S. E. Scafe, Nuclear Station Director  
Millstone Nuclear Power Station  
Northeast Nuclear Energy Company  
Post Office Box 128  
Waterford, Connecticut 06385

P. D. Swetland, Resident Inspector  
Millstone Nuclear Power Station  
c/o U.S. Nuclear Regulatory Commission  
Post Office Box 513  
Niantic, Connecticut 06357

C. H. Clement, Nuclear Unit Director  
Millstone Unit No. 3  
Northeast Nuclear Energy Company  
Post Office Box 128  
Waterford, Connecticut 06385

M. R. Scully, Executive Director  
Connecticut Municipal Electric  
Energy Cooperative  
30 Stott Avenue  
Norwich, Connecticut 06360

Burlington Electric Department  
c/o Robert E. Fletcher, Esq.  
271 South Union Street  
Burlington, Vermont 05402

David W. Graham  
Fuel Supply Planning Manager  
Massachusetts Municipal Wholesale  
Electric Company  
Post Office Box 426  
Ludlow, Massachusetts 01056

Mr. John F. Opeka  
Nuclear Northeast Nuclear Energy Company

Haddam Neck Plant & Millstone  
Power Station, Unit Nos. 1, 2 & 3

cc:

H. F. Haynes, Nuclear Unit Director  
Millstone Unit No. 1  
Northeast Nuclear Energy Company  
Post Office Box 128  
Waterford, Connecticut 06385

Charles Brinkman, Manager  
Washington Nuclear Operations  
ABB Combustion Engineering  
Nuclear Power  
2300 Twinbrook Pkwy., Suite 330  
Rockville, Maryland 20852

J. P. Stetz, Nuclear Station Director  
Haddam Neck Plant  
Connecticut Yankee Atomic Power Company  
362 Injun Hollow Road  
East Hampton, Connecticut 06424-3099

G. H. Bouchard, Nuclear Unit Director  
Haddam Neck Plant  
Connecticut Yankee Atomic Power Company  
362 Injun Hollow Road  
East Hampton, Connecticut 06424-3099

J. S. Keenan, Nuclear Unit Director  
Millstone Unit No. 2  
Northeast Nuclear Energy Company  
Post Office Box 128  
Waterford, Connecticut 06385

Board of Selectmen  
Town Office Building  
Haddam, Connecticut 06438

Resident Inspector  
Haddam Neck Plant  
c/o U.S. Nuclear Regulatory Commission  
361 Injun Hollow Road  
East Hampton, Connecticut 06424-3099

Nicholas S. Reynolds  
Winston & Strawn  
1400 L Street, NW  
Washington, DC 20005-3502