



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

February 22, 1993

Docket No. 50-309

Mr. Charles D. Frizzle, President
Maine Yankee Atomic Power Company
83 Edison Drive
Augusta, Maine 04336

Dear Mr. Frizzle:

SUBJECT: HUMAN PERFORMANCE IN OPERATING EVENTS - MAINE YANKEE ATOMIC POWER
STATION

We want to bring to your attention a report which may be of value during reviews or modifications of human factors 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.

9302250162 930222
PDR ADOCK 05000309
P PDR

NEW ENGLAND COPY

RF01
1/2

Mr. Charles D. Frizzle

- 2 -

February 22, 1993

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

cc w/o enclosure:
See next page

DISTRIBUTION w/o enclosure:

Docket File 50-309

NRC PDR

Local PDR

PDI-3 Reading

S. Varga

J. Culvo

W. Butler

E. Trottier

T. Clark

OGC

J. Birmingham

ACRS (10)

E. Jordan, AEOD

J. Linville, RI

OFFICE	LA:PDI-3	PM:PDI-3	D:PDI-3	D:AEOD	D:AEOD
NAME	TClark	ETrottier:mw	WButler	TMurley	EJordan
DATE	2/18/93	2/18/93	2/18/93	2/19/93	2/18/93

OFFICIAL RECORD COPY
Document Name: MYUTIL.LTR

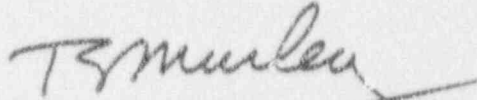
Mr. Charles D. Frizzle

- 2 -

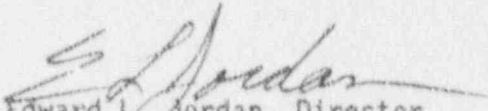
February 22, 1993

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,



Thomas E. Murley, Director
Office of Nuclear Reactor Regulation



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

Enclosure:
NUREG-1275

cc w/o enclosure:
See next page

Mr. Charles D. Frizzie

Maine Yankee Atomic Power Station

cc:

Mr. Charles B. Brinkman
Manager - Washington Nuclear
Operations
Combustion Engineering, Inc.
12300 Twinbrook Parkway, Suite 330
Rockville, Maryland 20852

Thomas G. Dignan, Jr., Esquire
Ropes & Gray
One International Place
Boston, Massachusetts 02110-2624

Mr. Uldis Vanags
State Nuclear Safety Adviser
State Planning Office
State House Station #38
Augusta, Maine 04333

Mr. P. L. Anderson, Project Manager
Yankee Atomic Electric Company
580 Main Street
Bolton, Massachusetts 01740-1398

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

First Selectman of Wiscasset
Municipal Building
U.S. Route 1
Wiscasset, Maine 04578

Mr. Charles S. Marschall
Senior Resident Inspector
Maine Yankee Atomic Power Station
U.S. Nuclear Regulatory Commission
P. O. Box E
Wiscasset, Maine 04578

Mr. James R. Hebert, Manager
Nuclear Engineering and Licensing
Maine Yankee Atomic Power Company
83 Edison Drive
Augusta, Maine 04336

Mr. Robert W. Blackmore
Plant Manager
Maine Yankee Atomic Power Company
P.O. Box 408
Wiscasset, Maine 04578

Mr. G. D. Whittier, Vice President
Licensing and Engineering
Maine Yankee Atomic Power Company
83 Edison Drive
Augusta, Maine 04336

Mr. Patrick J. Destie
State of Maine Nuclear Safety
Inspector
Maine Yankee Atomic Power Company
P. O. Box 408
Wiscasset, Maine 04578