

Docket File



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

September 8, 1992

Docket Nos. 50-277
and 50-278

Mr. George J. Beck
Manager-Licensing, MC 52A-5
Philadelphia Electric Company
Nuclear Group Headquarters
Correspondence Control Desk
P.O. Box No. 195
Wayne, Pennsylvania 19087-0195

Dear Mr. Beck:

SUBJECT: PRELIMINARY SPECIAL STUDY REPORT ON HUMAN PERFORMANCE IN OPERATING EVENTS

A preliminary special report by the NRC Office for Analysis and Evaluation of Operational Data (AEOD) entitled "Human Performance in Operating Events" is enclosed. The study describes potentially generic observations and conclusions based on onsite evaluation of 17 operating events. Due to the length of the draft report, a copy of this letter and the enclosed preliminary report has been placed in the Local Public Document Room, located in the Law/Government Publication Section, State Library of Pennsylvania, Walnut Street and Commonwealth Avenue, Box 1601, Harrisburg, Pennsylvania 17105, for public review.

To briefly review for your benefit, each study was conducted by a multidisciplinary team, led by an AEOD staff member, with additional NRC headquarters, regional and Idaho National Engineering Laboratory personnel. The studies focused on those factors that helped or hindered operator performance. The team usually spent 1 to 3 days on site interviewing plant personnel and gathering records. Individual reports of each site study were prepared and distributed within the NRC, to the site involved in the study, and to certain industry groups and a copy was placed in the Public Document Room. This special study describes generic observations and conclusions drawn from 17 such studies.

We believe these events represent an estimated one-fourth to one-third of the events which significantly challenged operating crews during this 2 1/2-year period. Six studies were performed in 1990, seven in 1991 and four in 1992. Ten events occurred at pressurized water reactor plants (PWRs) and seven events occurred at boiling water reactor plants (BWRs). Eleven events occurred at power and 6 occurred in standby or shutdown mode at 16 plant sites. Four studies were performed as part of an augmented inspection team effort, while thirteen were performed solely under AEOD auspices.

In accordance with our "peer review" process, prior to the finalization and distribution of our special study report, we are providing you, various industry groups, experts in the field of human factors and plant management

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where these events occurred with a copy of the preliminary report for review and comment. We request that you focus your review primarily on the accuracy and completeness of the observations and analyses contained in the report. The conclusions are provided for your information in order that you may understand the significance we place on these events and, therefore, obtain a more complete picture of the total report. Changes to the report will be made if the underlying information is in error, or new additional information is provided. We ask that comments be provided in writing directly to the NRC, to the attention of Mr. Thomas Novak, Director, Division of Safety Programs, Office for Analysis and Evaluation of Operational Data.

Since we wish to finalize and issue the report shortly, we ask that any comments be received by us within 3 weeks from receipt of this preliminary report. Should you require additional time beyond that point, please let us know; otherwise, it will be assumed that you have no comments.

If you or your staff have any questions regarding this study, please feel free to contact Mr. Thomas Novak or Mr. Eugene Trager at (301) 492-4495.

Sincerely,

/s/

Joseph W. Shea, Acting Project Manager
 Project Directorate I-2
 Division of Reactor Projects - 1/11
 Office of Nuclear Reactor Regulation

Enclosure:

Draft, Special Study, Human
 Performance in Operating
 Events, dated August 28, 1992

cc w/o enclosure:
 See next page

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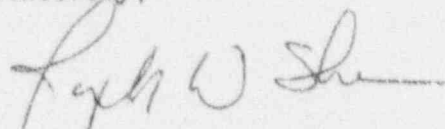
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If you or your staff have any questions regarding this study, please feel free to contact Mr. Thomas Novak or Mr. Eugene Trager at (301) 492-4496.

Sincerely,



Joseph W. Shea, Acting Project Manager
Project Directorate I-2
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

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Draft, Special Study, Human
Performance in Operating
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cc w/o enclosure:
See next page

Mr. George J. Deck
Philadelphia Electric Company

Peach Bottom Atomic Power Station,
Units 2 and 3

cc:

J. W. Durham, Sr., Esquire
Sr. V.P. & General Counsel
Philadelphia Electric Company
2301 Market Street, S26-1
Philadelphia, Pennsylvania 19101

Mr. Thomas M. Gerusky, Director
Bureau of Radiation Protection
Pennsylvania Department of
Environmental Resources
P. O. Box 2063
Harrisburg, Pennsylvania 17120

Philadelphia Electric Company
ATTN: Mr. D. B. Miller, Vice President
Peach Bottom Atomic Power Station
Route 1, Box 208
Delta, Pennsylvania 17314

Board of Supervisors
Peach Bottom Township
R. D. #1
Delta, Pennsylvania 17314

Philadelphia Electric Company
ATTN: Regulatory Engineer, A1-2S
Peach Bottom Atomic Power Station
Route 1, Box 208
Delta, Pennsylvania 17314

Public Service Commission of
Maryland
Engineering Division
ATTN: Chief Engineer
231 E. Baltimore Street
Baltimore, MD 21202-3486

Resident Inspector
U.S. Nuclear Regulatory Commission
Peach Bottom Atomic Power Station
P.O. Box 399
Delta, Pennsylvania 17314

Mr. Richard McLean
Power Plant and Environmental
Review Division
Department of Natural Resources
B-3, Tawes States Office Building
Annapolis, Maryland 21401

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

Mr. Roland Fletcher
Department of Environment
201 West Preston Street
Baltimore, Maryland 21201

Carl D. Schaefer
External Operations - Nuclear
Delmarva Power & Light Company
P.O. Box 231
Wilmington, DE 19899