

FEB 17 1993

MEMORANDUM FOR: Brian K. Grimes, Director
Division of Operating Reactor Support
Office of Nuclear Reactor Regulation

FROM: Thomas M. Novak, Director
Division of Safety Programs
Office for Analysis and Evaluation
of Operational Data

SUBJECT: INSIGHTS FROM SELECTED COMMON-CAUSE FAILURE EVENTS

Enclosed for your information and use is a supplemental report on insights from potential and actual common-cause failures obtained from licensee event reports (LERs). This report is a supplement to AEOD/E92-02 which we published in June 1992. It includes an additional 18 common-cause failure events from 1990 LERs and a reformulation of the summary tables that indicate potential corrective actions for each of the events reviewed.

The dominant corrective actions are similar to those discussed earlier, namely, substituting equipment having a larger design margin had a potential impact on about 56 percent of the events; performing comprehensive systems tests, insuring adequate train separation, and the use of diverse equipment each had a potential impact on about 27 percent of the cases; and the use of staggered surveillance testing impacted about 20 percent of the events.

Enclosed is a revision to the draft information notice (IN) that Vern Hodge developed in July 1992. Other activities delayed our response to the draft IN, but I believe the use of the supplemental report in the IN focuses the message in a more succinct fashion.

If you have any comments or need additional information, please contact me on 492-4484 or Sanford Israel of my staff. Mr. Israel may be reached on 492-4437.

Original Signed by:

Thomas M. Novak, Director
Division of Safety Programs
Office for Analysis and Evaluation
of Operational Data

Enclosure: As stated
cc w/enclosure:
D. Crutchfield, NRR
A. Thadani, NRR
V. Hodge, NRR

9302220295 930217
PDR ORG NEXD PDR

Distribution:

PDR
Central File
ROAB R/F
DSP R/F
SIsrael
WJones
JRosenthal
VBenaroya
ROAB Distribution
EJordan
DRoss
LSpessard

KBrockman
SRubin
AChaffee, NRR
GMarcus, NRR
PBaranowsky
Kraglin, TTC

MTaylor, EDO
RSavio, ACRS
PLewis, INPO
DQueener, NOAC
VChexal, EPRI

ROAB
SIsrael:rgz
2/9/93

ROAB
WJones
2/9/93

C:ROAB
JRosenthal
2/10/93

DSP
VBenaroya
2/10/93

D:DSP
TNovak
2/11/93

RETURN TO REGULATORY CENTRAL FILES

EDR-51
OPERATING
EVALUATION
X of m-7
AEOD