

DLS

JUN 06 1984

Mr. C. R. Dietz, General Manager
Brunswick Steam Electric Plant
Carolina Power & Light Company
P.O. Box 10429
Southport, NC 28461-0429

Dear Mr. Dietz:

SUBJECT: Case Study Report - Operating Experience Related
to Moisture Intrusion in Electrical Equipment at
Commercial Power Reactors

Following resolution of peer review comments, we have completed the enclosed study of moisture intrusion in electrical equipment at commercial power reactors.

The report provides: (1) a review of the operating events related to moisture intrusion in electrical equipment at commercial power reactors; (2) an analysis and evaluation of these operating events; and (3) recommendations that, if implemented, could reduce or prevent most of the failures reported.

The recommendations contained in this report are under review within the Nuclear Regulatory Commission. The report is being forwarded for your information and use as you deem appropriate.

If you have any questions regarding this report, please contact Medhat El-Zeftawy of my staff. Mr. El-Zeftawy can be reached at (301) 492-4434.

Sincerely,

Original signed by:
C. J. Heltemes, Jr.

C. J. Heltemes, Jr., Director
Office for Analysis and Evaluation
of Operational Data

Enclosure:
As stated

cc: See page 2

8406190148 840606
PDR ADOCK 05000324
P PDR

TDIR-51
OPERATING
EXPERIENCE

Mr. C. R. Dietz

- 2 -

JUN 06 1984

cc w/o enclosure:

Dr. David Rossin, Director
Nuclear Safety Analysis Center

Dr. Zack T. Pate, President
Institute of Nuclear Power Operations

Mr. Donald J. Wilson, Director, Electrical Engineering
Detroit Edison Company

Distribution:

~~BCS~~ ~~PPR~~
AEOD:CF
AEOD:SF
ROAB:CF
ROAB:SF
ME1-Zeftawy
KSeifrit
Tippolito
CJHeltemes

OFFICE :
SURNAME:
DATE :

ROAB *M. K.*
ME1-Zeftawy:all
5/23/84

ROAB *S*
KVSeifrit
5/23/84

QAB
CJHeltemes
6/5/84