

bcc: Central File
AEOD RF
AEOD SF
C. Michelson
C. Heltemes
E. Imbro

DEC 17 1981

Mr. Eugene P. Wilkinson, President
Institute of Nuclear Power Operations
1820 Water Place
Atlanta, Georgia 30339

Dear Mr. Wilkinson:

We have written a case study (Enclosure) of the event at Calvert Cliffs Unit 1. The study was undertaken because the event, which was precipitated by the leakage of a tube in an instrument air compressor aftercooler, resulted in the disablement of both redundant trains of the safety-related service water system.

Although the consequences of this event were minor, it was nonetheless significant since it involved two fundamental aspects considered in the design of safety-related systems:

1. Interaction between safety and non-safety related systems and components; and
2. Common caused failure of redundant safety systems.

The recommendations from this case study are under review within the NRC, and no licensee actions are being requested at this time. The report is being forwarded for your information and use as you deem appropriate.

If you have any questions regarding this report, please contact Eugene Imbro of my staff. Mr. Imbro can be reached at 301/492-4495.

Sincerely,

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

for Carlyle Michelson, Director
Office for Analysis and Evaluation
of Operational Data

Enclosure:
As stated

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DATE	12/10/81	12/17/81	12/17/81				