

BOSTON EDISON COMPANY
GENERAL OFFICES 800 BOYLSTON STREET
BOSTON, MASSACHUSETTS 02199

A. V. MORISI
MANAGER
NUCLEAR OPERATIONS SUPPORT DEPARTMENT

November 15, 1982

BECO. Ltr. #82-299

Mr. Ronald C. Haynes
Regional Administrator, Region I
U.S. Nuclear Regulatory Commission
631 Park Avenue
King of Prussia, PA 19406

License No. DPR-35
Docket No. 50-293

Supplemental Response to IE Bulletin #80-06

- Reference: a) IE Bulletin #80-06, dated March 30,
1980
- b) IE Bulletin #80-06 Response, G. C.
Andognini to B. H. Grier dated
June 27, 1980

Dear Sir:

In Reference a) IE Bulletin #80-06, you requested that Boston Edison Company (BECO) review the drawings for all systems serving safety-related functions at the schematic level to determine whether or not, upon the reset of an ESF actuation signal, all associated safety-related equipment remains in its emergency mode. If any safety-related equipment does not remain in its emergency mode upon reset of an ESF signal, describe proposed system modification, design change, or other corrective action planned to resolve the problem.

As a result of your request to review the drawings, BECO identified that the HPCI Auxiliary Oil Pump did not meet the criteria for reset of an ESF signal and proposed a modification to the control circuitry as described in Reference b).

However, on closer review it was determined that a modification to the auxiliary oil pump circuit was not necessary for the following reasons: Examination of the auxiliary oil pump elementary diagram, shows that a normally closed contact from the HPCI turbine's internal oil system pressure switch is in series with all of the controls which act to automatically start the auxiliary oil pump. This contact functions to automatically shut down the auxiliary oil pump once the turbine's shaft-driven oil pump delivers rated pressure. If the contemplated modification were to be effected as stated in Reference b), the auxiliary oil pump would continue to run, only until the shaft-driven oil pump reaches operating pressure regardless of reset of the initiating signal. At this instant the auxiliary pump would be de-energized by the turbine's oil pressure switch. Since the HPCI turbine must be capable of delivering full system design injection flow within

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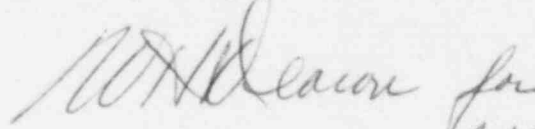
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25 seconds after initiation, the shaft-driven oil pump must also be producing its full output within this time. Therefore, the auxiliary oil pump would normally run for about 25 seconds into the starting period even with the proposed modification installed.

BECo feels that the HPCI auxiliary oil pump control circuit meets the intent of IE Bulletin 80-06 and any anticipated modifications are not required.

We trust that this letter is responsive to your concerns; however, should you have any further questions or concerns on this subject, please contact us at your convenience.

Very truly yours,


A.V. MIRISI