UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION I
631 PARK AVENUE
KING OF PRUSSIA, PENNSYLVANIA 19406

TR

Docket No. 50-293

JAN 14 1980

Boston Edison Company M/C Nuclear
ATTN: Mr. G. Carl Andognini, Manager
Nuclear Operations Department
800 Boylston Street
Boston, Massachusetts 02199

Gentlemen:

Enclosed is IE Bulletin No. 80-01 which requires action by you with regard to your BWR power reactor facility with an operating license.

Should you have questions regarding this Bulletin or the actions required of you, please contact this office.

Sincerely,

for Robert F. Carlson
Boyce H. Grier
Director

Enclosures:
1. IE Bulletin No. 80-01 with Attachment
2. List of Recently Issued IE Bulletins

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cc w/encls:
P. J. McGuire, Pilgrim Station Manager

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ENCLOSURE 1

UNITED STATES
NUCLEAR REGULATORY COMMISSION
OFFICE OF INSPECTION AND ENFORCEMENT
WASHINGTON, D.C. 20555

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IE Bulletin No. 80-01
Date: January 14, 1980

OPERABILITY OF ADS VALVE PNEUMATIC SUPPLY

On January 10, 1980, the NRC was informed by Philadelphia Electric Company that engineering evaluation for Peach Bottom 2 and 3 has disclosed that the Automatic Depressurization System (ADS) pneumatic supply (either nitrogen or air) may not be operable for all possible events because of a combination of misapplication of check valve, a lack of leak testing of the accumulator system backing up each ADS valve operator and questions about the continued operability of the pneumatic supply in a seismic event. Attached is a simplified schematic of the pneumatic supply. The check valve nearest to the accumulator is a PAL, three-quarter inch, stainless steel, socket welded check valve with a hard-seat (valve identification-B-1376 on the upper flange). Plant information at Peach Bottom shows substantial supports for the pneumatic supply inside the drywell, but seismic qualification has not been verified. The licensee has stated that the pneumatic supply is not seismically qualified outside the drywell.

Unit 2 was shutdown on 1/10/80 because of questions of ADS operability and Unit 3 has been provided a seismically qualified nitrogen supply at the containment penetration pending confirmation of seismic qualification of piping inside Unit 2 containment. The licensee is changing their valve to one with a soft seat to reduce leakage.

Actions to be taken by Licensees of GE BWR facilities with an operating license which use a pneumatic operator for ADS function:

1. Determine if your facility has installed hard-seat check valves to isolate the ADS accumlator system from the pneumatic supply system.

2. Determine if periodic leak tests have been performed on your ADS accumulator systems to assure emergency pneumatic supply for the FSAR-required number and duration of valve operations.

3. Review seismic qualifications of the ADS pneumatic supply system:

   (a) from accumulator system isolation check valve to ADS valve operator,

   (b) from isolation valve outside
   valve.

4. Based upon determination of items
   of the ADS for the conditions und
   including a seismic event. If op
   to appropriate Technical Specifica