

NOV 17 1980

Docket No. 50-293

Mr. A. Victor Morisi
Boston Edison Company
M/C NUCLEAR
800 Boylston Street
Boston, Massachusetts 02199

Distribution:

- Docket
- NRC PDR
- ORB Reading
- NRR Reading
- D. Eisenhut
- R. Purple
- T. Novak
- R. Tedesco
- G. Lainas
- J. Roe
- S. Norris
- M. Williams
- OELD

- OI&E (5)
- B. Jones (4)
- B. Scharf (10)
- J. Wetmore
- ACRS (16)
- OPA (Clare Mil)
- R. Digg
- H. Denton
- J. Helton, AEP
- NSIC
- TERA
- Chairman ASLAB

1980 NOV 25 AM 8 44
 RECEIVED DISTRIBUTION SERVICES UNIT
 DIVISION OF LICENSING
 NRC

RECEIVED DISTRIBUTION SERVICES UNIT

Dear Mr. Morisi:

The Commission has issued the enclosed Amendment No. ⁴⁴ to Facility Operating License No. DPR-35 for the Pilgrim Nuclear Power Station, Unit 1. This amendment consists of changes to the Technical Specifications in response to your request dated October 31, 1980 (BECO 80-273). Your request was processed as an emergency authorization request. Amendment No. was authorized by telephone conversation between Boston Edison Company and the NRC staff (Novak/Taylor) on October 31, 1980, and was confirmed by our letter dated November 7, 1980.

This amendment changes the Technical Specifications to make provisions for temporary relief from the Limiting Condition of Operation in Technical Specification Section 3.5.B concerning operability of the Salt Service Water System. This relief is granted from October 31, 1980 through November 7, 1980.

Copies of the Safety Evaluation and the Notice of Issuance are also enclosed.

Sincerely,

Original Signed by
T. A. Ippolito

Thomas A. Ippolito, Chief
Operating Reactors Branch #2
Division of Licensing

Enclosures:

1. Amendment No. ⁴⁴ to DPR-35
2. Safety Evaluation
3. Notice

cc w/encls:
See next page

F.R. NOTICE
+ AMENDMENT

8012080377

P

OFFICE	DL:ORB#2	DL:ORB#2	DL:ORB#2	DL:ORB	OELD
SURNAME	SNorris	WWilliams	TAIppolito	TNovak	Goodrich
DATE	11/7/80	11/7/80	11/7/80	11/7/80	11/12/80

Mr. A. Victor Morisi
Boston Edison Company

- 2 -

November 17, 1980

cc:

Mr. Richard D. Machon
Pilgrim Station Manager
Boston Edison Company
RFD #1, Rocky Hill Road
Plymouth, Massachusetts 02360

U. S. Environmental Protection
Agency
Region I Office
ATTN: EIS COORDINATOR
JFK Federal Building
Boston, Massachusetts 02203

Energy Facilities Siting Council
14th Floor
One Asburton Place
Boston, Massachusetts 02108

Henry Herrmann, Esquire
Massachusetts Wildlife Federation
151 Tremont Street
Boston, Massachusetts 02111

Plymouth Public Library
North Street
Plymouth, Massachusetts 02360

Massachusetts Department of Public Health
ATTN: Commissioner of Public Health
600 Washington Street
Boston, Massachusetts 02111

Water Quality & Environmental Commissioner
Department of Environmental Quality
Engineering
100 Cambridge Street
Boston, Massachusetts 02202

Mr. David F. Tarantino
Chairman, Board of Selectmen
11 Lincoln Street
Plymouth, Massachusetts 02360

Director, Criteria and Standards
Division
Office of Radiation Programs (ANR-460)
U. S. Environmental Protection Agency
Washington, D. C. 20460

Resident Inspector
c/o U. S. NRC
P. O. Box 867
Plymouth, Massachusetts 02360



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

BOSTON EDISON COMPANY

DOCKET NO. 50-293

PILGRIM NUCLEAR POWER STATION, UNIT 1

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 44
License No. DPR-35

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by Boston Edison Company (the licensee) dated October 31, 1980, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations set forth in 10 CFR Chapter I;
 - B. The facility will operate in conformity with the application, the provisions of the Act, and the rules and Regulations of the Commission;
 - C. There is reasonable assurance (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations;
 - D. The issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public; and
 - E. The issuance of this amendment is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment and paragraph 3.B of Facility License No. DPR-35 is hereby amended to read as follows:


B. Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 44, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

18012080573

3. This license amendment is effective as of October 31, 1980.

FOR THE NUCLEAR REGULATORY COMMISSION


Thomas A. Ippolito, Chief
Operating Reactors Branch #2
Division of Licensing

Attachment:
Changes to the Technical
Specifications

Date of Issuance: November 17, 1980

ATTACHMENT TO LICENSE AMENDMENT NO. 44

FACILITY OPERATING LICENSE NO. DPR-35

DOCKET NO. 50-293

Revise Appendix A as follows:

Remove

106
107

Insert

106
107

LIMITING CONDITION FOR OPERATION

SURVEILLANCE REQUIREMENT

***3.5.B Containment Cooling Subsystem**

1. Except as specified in 3.5.B.2, 3.5.B.3, and 3.5.F.3 below, both containment cooling subsystem loops shall be operable whenever irradiated fuel is in the reactor vessel and reactor coolant temperature is greater than 212°F, and prior to reactor startup from a Cold Condition.

4.5.B Containment Cooling Subsystem

1. Containment Cooling Subsystem Testing shall be as follows:

<u>Item</u>	<u>Frequency</u>
a. Pump & Valve Operability	Once/3 months and Once/cycle from the Alternate Shutdown Station
b. Pump Capacity Test Each RBCCW pump shall deliver 1700 gpm at 70 ft. TDH. Each SSWS pump shall deliver 2700 gpm at 55 ft. TDH.	After pump maintenance and every 3 months
c. Air test on drywell and torus headers and nozzles	Once/5 years

*Conditional relief granted from this LCO for the period October 31, 1980 through November 7, 1980.

Amendment No. 44

LIMITING CONDITION FOR OPERATION

SURVEILLANCE REQUIREMENT

3.5.B Containment Cooling Subsystem (Cont'd)

- 2. From and after the date that one containment cooling subsystem loop is made or found to be inoperable for any reason, continued reactor operation is permissible only during the succeeding seven days unless such subsystem loop is sooner made operable, provided that the other containment cooling subsystem loop, including its associated diesel generator, is operable.
- 3. If the requirements of 3.5.B cannot be met, an orderly shutdown shall be initiated and the reactor shall be in a Cold Shutdown Condition within 24 hours.

C. HPCI Subsystem

- 1. The HPCI Subsystem shall be operable whenever there is irradiated fuel in the reactor vessel, reactor pressure is greater than 104 psig, and prior to reactor startup from a Cold Condition, except as specified in 3.5.C.2 and 3.5.C.3 below.

4.5.B Containment Cooling Subsystem (Cont'd)

- 2. When one containment cooling subsystem loop becomes inoperable, the operable subsystem loop and its associated diesel generator shall be demonstrated to be operable immediately and the operable containment cooling subsystem loop daily thereafter.

C. HPCI Subsystem

- 1. HPCI Subsystem testing shall be performed as follows:

a.	Simulated Automatic Actuation Test	Once/operating cycle
b.	Pump Operability	Once/month and Once/cycle from the Alternate Shutdown Station
c.	Motor Operated Valve Operability	Once/month and Once/cycle from the Alternate Shutdown Station
d.	Flow Rate at 1000 psig	Once/3 months
e.	Flow Rate at 150 psig	Once/operating cycle

*Conditional relief granted from this LCO for the period October 31, 1980 through November 7, 1980.



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

SUPPORTING AMENDMENT NO. 44 TO FACILITY OPERATING LICENSE NO. DPR-35

BOSTON EDISON COMPANY

PILGRIM NUCLEAR POWER STATION, UNIT 1

DOCKET NO. 50-293

1. Introduction

In a telecopied letter (BECO 80-273) Boston Edison Company (licensee) has requested temporary relief from the Limiting Condition of Operation (LCO) 3.5.B of the Pilgrim Nuclear Power Station, Unit 1 (PNPS) Technical Specifications concerning the operability of the Salt Service Water System (SSW). The original seismic analysis for the Salt Service Water System took credit for a seismic anchor located beyond the outboard isolation valves. The seismic anchors in this case are the screen wash pumps. However, recent analysis for adequate tornado missile protection has revealed that this anchor point is beyond the missile protected area. Therefore, the operability of the SSW is jeopardized if a tornado induced missile impact occurred at the pump(s).

The licensee has determined that moving the seismic anchors to within the missile protected barrier is a satisfactory solution (i.e., a reanalysis of the lines with the seismic anchors relocated was performed and determined to be satisfactory). However, the corrective action will take approximately one week. Hence, the licensee has requested relief from the above LCO for the interim period, October 31, 1980 through November 7, 1980. In the interim, the licensee has stated that procedural changes will be in effect which require the facility to be immediately shut down in the event of a Tornado Warning in the immediate area.

2. Evaluation

It is noted that redundancy exists in the SSW system. Due to this, both pumps must be damaged by missiles to jeopardize the operability of the system. Due to the physical separation between the pumps (~30' + barrier) the chance of such an event is small. In addition, sufficient warning would exist to permit a plant shutdown prior to incurring such damage due to tornadoes. Also, the event would have to occur in a limited time since the licensee has only requested operation for seven days in this condition. Based on these facts, the risk associated with this relief is extremely low, and the licensee's justification for interim operation is considered acceptable.

8012080578

3. Summary

For the reasons above, the NRC staff grants temporary relief from Section 3.5.B LCO's regarding operability of the SSW system from October 31, 1980 through November 7, 1980 if the only reason for system inoperability is as specified in the Introduction (1.) above.

4. Environmental Consideration

We have determined that this amendment does not authorize a change in effluent types or total amounts nor an increase in power level and will not result in any significant environmental impact. Having made this determination, we have further concluded that the amendment involves an action which is insignificant from the standpoint of environmental impact and pursuant to 10 CFR Section 51.5(d)(4) that an environmental impact statement, negative declaration, or environmental impact appraisal need not be prepared in connection with the issuance of this amendment.

5. Conclusion

We have concluded based on the considerations discussed above that: (1) because the amendment does not involve a significant increase in the probability or consequences of accidents previously considered and does not involve a significant decrease in a safety margin, the amendment does not involve a significant hazards consideration, (2) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, and (3) such activities will be conducted in compliance with the Commission's regulations and the issuance of the amendment will not be inimical to the common defense and security or to the health and safety of the public.

Dated: November 17, 1980

UNITED STATES NUCLEAR REGULATORY COMMISSIONDOCKET NO. 50-293BOSTON EDISON COMPANYNOTICE OF ISSUANCE OF AMENDMENT TO FACILITY
OPERATING LICENSE

The U. S. Nuclear Regulatory Commission (the Commission) has issued Amendment No. 44 to Facility Operating License No. DPR-35, issued to Boston Edison Company (the licensee), which revised the Technical Specifications for operation of the Pilgrim Nuclear Power Station, Unit 1 (the facility) located near Plymouth, Massachusetts. The amendment was effective from October 31, 1980 through November 7, 1980.

This amendment changes the Technical Specifications to make provisions for temporary relief from the Limiting Condition of Operation in Technical Specification Section 3.5.B concerning operability of the Salt Service Water System. This relief is granted from October 31, 1980 through November 7, 1980.

The application for the amendment complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations. The Commission has made appropriate findings as required by the Act and the Commission's rules and regulations in 10 CFR Chapter I, which are set forth in the license amendment. Prior public notice of this amendment was not required since the amendment does not involve a significant hazards consideration.

The Commission has determined that the issuance of this amendment will not result in any significant environmental impact and that pursuant to 10 CFR Section 51.5(d)(4), an environmental impact statement or negative declaration

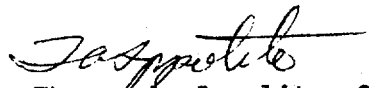
8012080582

and environmental impact appraisal need not be prepared in connection with issuance of the amendment.

For further details with respect to this action, see (1) the application for amendment dated October 31, 1980, (2) Amendment No.44 to License No. DPR-35, and (3) the Commission's related Safety Evaluation. All of these items are available for public inspection at the Commission's Public Document Room, 1717 H Street, NW., Washington, D. C., and at the Plymouth Public Library on North Street in Plymouth, Massachusetts 02360. A copy of items (2) and (3) may be obtained upon request addressed to the U. S. Nuclear Regulatory Commission, Washington, D. C. 20555, Attention: Director, Division of Licensing.

Dated at Bethesda, Maryland, this 17th day of November, 1980.

FOR THE NUCLEAR REGULATORY COMMISSION



Thomas A. Ippolito, Chief
Operating Reactors Branch #2
Division of Licensing

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

SUPPORTING EMERGENCY TECH. SPEC. CHANGE FOR PILGRIM NUCLEAR POWER STATION

UNIT I - Dated October 31, 1980

1. Introduction (BEG 80-773) Company (licensee)

In a telecopied letter, Boston Edison has requested temporary relief from the Limiting Condition of Operation 3.5.B of the PNPS Technical Specifications concerning the operability of the Salt Service Water System. The original seismic analysis for the Salt Service Water System took credit for a seismic anchor located beyond the outboard isolation valves. This seismic anchors in this case are the screen wash pumps. However, recent analysis for adequate tornado missile protection has revealed that this anchor point is beyond the missile protected area. Therefore, the operability of the SSW is jeopardized if a tornado induced missile impact occurred at the pump(s).

The licensee has determined that moving the seismic anchors to within the missile protected barrier is a satisfactory solution (ie. a reanalysis of the lines with the seismic anchors re-located was performed and determined to be satisfactory). However, the corrective action will take approximately one week. Hence, the licensee has requested relief from the above LCO for this interim period. In the interim, the licensee has stated that procedural changes will be in effect which require the facility to be immediately shut down in the event of a Tornado Warning in the immediate area.

2. Evaluation

It is noted that redundancy exists in the SSW system. Due to this, both pumps must be damaged by missiles to jeopardize the operability of the system. Due to the physical separation between the pumps (30' + barrier) the chance of such an event is small. In addition, ~~there is~~ sufficient warning would exist to permit a plant shutdown prior to incurring such damage due to ~~tornadoes~~ tornados. Also, the event would have to occur in a limited time since the licensee has only requested operation for seven days in this condition. Based on these facts, the risk associated with this relief is extremely low, and the licensee's justification for interim operation is considered acceptable.

3. Summary

For the reasons above, the staff grants temporary relief from Section 3.5.B.LCO's, regarding operability of the SSW system until 11/7/80 if the only reason for system inoperability is as specified in the Introduction (1.) above.

4. Environmental Consideration

We have determined that this amendment does not authorize a change in effluent types or total amounts nor an increase in power level and will not result in any significant environmental impact. Having made this determination, we have further concluded that the amendment involves an action which is insignificant from the standpoint of environmental impact and pursuant to 10 CFR Section 51.5(d)(4) that an environmental impact statement, negative declaration, or environmental impact appraisal need not be prepared in connection with the issuance of this amendment.

5.0 Conclusion

We have concluded, based on the considerations discussed above, that:

- (1) because the amendment does not involve a significant increase in the probability or consequences of accidents previously considered and does not involve a significant decrease in a safety margin, the amendment does not involve a significant hazards consideration,
- (2) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, and
- (3) such activities will be conducted in compliance with the Commission's regulations and the issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public.

Dated: October 31, 1980



M. H. Williams

T. F. Ippolito
M. Williams

TEL #
301-492-76

X7371

BOSTON EDISON COMPANY
GENERAL OFFICES 200 BOYLSTON STREET
BOSTON, MASSACHUSETTS 02199

A. V. MORISI
MANAGER
NUCLEAR OPERATIONS SUPPORT DEPARTMENT

October 31, 1980

BECo. Ltr. #80-273

Mr. Thomas A. Ippolito, Chief
Operating Reactors Branch #2
Division of Licensing
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, D. C. 20555

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

Request for Immediate Relief from
Technical Specification Section 3.5.B

Dear Sir:

Boston Edison Company hereby requests temporary relief from the Limiting Condition of Operation delineated in Pilgrim Nuclear Power Station Technical Specification Section 3.5.B concerning operability of the Salt Service Water System. The reason for this request is as follows:

The original seismic analysis for the Salt Service Water System took credit for a seismic anchor located beyond the outboard isolation valves. The seismic anchors in this case are the screen wash pumps. However, recent analyses for adequate tornado missile protection has revealed that this anchor point extends beyond the missile protected area, thereby jeopardizing operability of the SSW should a tornado induced missile impact at this anchor point. Analysis concerning the results of this impact upon the redundant SSW train continues.

A reanalysis of the lines with the seismic anchors re-located inside the tornado missile barriers was performed and determined as the corrective fix. Implementation of these corrective modifications has begun and estimated to be completed by 11-7-80.

As an interim measure, a temporary operating procedure has been implemented and shall remain in effect until these modifications are completed. This procedure requires the facility to be immediately shut down in the event a Tornado Warning in the immediate area is issued.

Your immediate attention to this request would be greatly appreciated.

Very truly yours,

A. V. Morisi