

September 24, 1984

Docket No. 50-293

Mr. William D. Harrington
Senior Vice President, Nuclear
Boston Edison Company
800 Boylston Street
Boston, Massachusetts 02199

Dear Mr. Harrington:

The Commission has issued the enclosed Amendment No. 80 to Facility Operating License No. DPR-35 for the Pilgrim Nuclear Power Station. This amendment consists of changes to the Technical Specifications in response to your application dated June 20, 1984.

These changes to the Technical Specifications conform with the requirements of 10 CFR 50.54(m)(2) relative to licensed operator staffing of the plant. This amendment deletes a footnote to Table 6.2-1 which specified the minimum qualifications of the Shift Technical Advisor (STA). However, a footnote has been added to the table which provides that an STA with a Senior Reactor Operator (SRO) license may serve simultaneously as STA and SRO. As discussed in the enclosed Safety Evaluation, an individual who serves in this dual role must have a bachelor's degree in engineering unless a pending decision by the Commission permits other qualifications.

A copy of the related Safety Evaluation is also enclosed.

Sincerely,

Original signed by/

Paul H. Leech, Project Manager
Operating Reactors Branch #2
Division of Licensing

Enclosures:

1. Amendment No. 80 to License No. DPR-35
2. Safety Evaluation

cc w/enclosures:
See next page

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Mr. William D. Harrington
Boston Edison Company
Pilgrim Nuclear Power Station

cc:

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

BOSTON EDISON COMPANY

DOCKET NO. 50-293

PILGRIM NUCLEAR POWER STATION

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 80.
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 June 20, 1984 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 Operating License No. DPR-35 is hereby amended to read as follows:

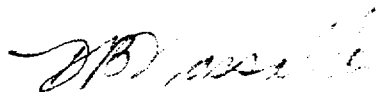
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B. Technical Specifications

The Technical Specifications contained in Appendix A, as revised through Amendment No. 80, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

3. This license amendment is effective as of the date of its issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



Domenic B. Vassallo, Chief
Operating Reactors Branch #2
Division of Licensing

Attachment:
Changes to the Technical
Specifications

Date of Issuance: September 24, 1984

ATTACHMENT TO LICENSE AMENDMENT NO. 80

FACILITY OPERATING LICENSE NO. DPR-35

DOCKET NO. 50-293

Remove

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6.0 ADMINISTRATIVE CONTROLS

6.1 RESPONSIBILITY

The Station Manager shall be accountable for overall facility operation. In his absence the Station Manager shall designate in writing the individual to assume this responsibility.

6.2 ORGANIZATION

A. OFFSITE

The Company organization for station management and technical support shall be as shown on Figure 6.2.1.

B. FACILITY

The Facility organization shall be as shown on Figure 6.2.2 and:

1. Each on duty shift shall be composed of at least the minimum shift crew composition shown in Table 6.2.1.
2. When the unit is in an operational mode other than cold shutdown or refueling, a person holding a Senior Reactor Operator License shall be present in the control room at all times. In addition to this Senior Operator, a Licensed Operator or Senior Operator shall be present at the controls when fuel is in the vessel.
3. At least two Licensed Operators shall be present in the control room during reactor startup, scheduled reactor shutdown and during recovery from reactor trips.
4. An individual qualified in radiation protection procedures shall be on site when fuel is in the reactor.
5. ALL CORE ALTERATIONS performed while fuel is in the reactor vessel after the initial fuel loading shall be directly supervised by either a licensed Senior Reactor Operator or Senior Reactor Operator Limited to Fuel Handling who has no other concurrent responsibilities during this operation.
6. A Fire Brigade of 5 members including a Fire Brigade Leader shall be maintained on site at all times. This excludes 3 members of the minimum shift crew necessary for safe shutdown and any personnel required for other essential functions during a fire emergency.

6.3 FACILITY STAFF QUALIFICATIONS

The qualifications with regard to educational and experience backgrounds of the facility staff at the time of appointment to the active position shall meet the requirements as described in the American National Standards Institute N18.1-1971, "Selection and Training of Personnel for Nuclear Power Plants." In addition, the individual performing the function of Radiation Protection Manager shall meet or exceed the qualifications of Regulatory Guide 1.8, September, 1975.

PILGRIM NUCLEAR POWER STATION

MINIMUM OPERATING SHIFT CREW COMPOSITION

TECHNICAL SPECIFICATION

TABLE 6.2-1

STATION	CREW (a)	MINIMUM NUMBER ON DUTY
OPERATING	Licensed Senior Reactor Operator	2 (b)
	Licensed Reactor Operator	2
	Unlicensed Operator	2
	Shift Technical Advisor	1
COLD SHUTDOWN AND REFUELING	Licensed Senior Reactor Operator	1
	Licensed Reactor Operator	1
	Unlicensed Operator	1
	Shift Technical Advisor	None Required

Notes:

- (a) Higher grade licensed operators may take the place of lower grade licensed or unlicensed personnel.
- (b) A shift Technical Advisor (STA) with a Senior Reactor Operator license may simultaneously serve as STA and SRO.



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION
SUPPORTING AMENDMENT NO. 80 TO FACILITY OPERATING LICENSE NO. DPR-35
BOSTON EDISON COMPANY
PILGRIM NUCLEAR POWER STATION
DOCKET NO. 50-293

1.0 Introduction

By letter dated June 20, 1984, the Boston Edison Company (BECO/the licensee) submitted proposed changes to the Technical Specifications relative to operator shift manning for the Pilgrim Station.

2.0 Evaluation

The licensee proposes changes to the wording of Section 6.2.B.2 and Table 6.2-1 to require the presence of two senior reactor operators on shift at any time the plant is in an operating mode other than shutdown or refueling. One of these senior reactor operators must be in the control room. This change is in accordance with 10 CFR 50.54(m)(2) and is acceptable.

The licensee also proposes to delete a footnote to Table 6.2-1 that specifies the minimum qualifications of the Shift Technical Advisor (STA). The justification for this deletion is that inclusion of the qualifications is inconsistent with the purpose of Technical Specifications and serves no useful purpose to the Technical Specifications user. The STA qualifications are specified in NUREG-0737 and in the licensee's STA job description which reflects the NUREG. We agree that there is no need to have the STA qualifications specified in the Technical Specifications. This change is, therefore, acceptable.

In the revision to Table 6.2-1, the licensee proposes to incorporate a footnote providing that "A Shift Technical Advisor (STA) with a Senior Reactor Operator license may simultaneously serve as STA and SRO." The Policy Statement providing for such dual-role assignments has not yet been approved in final form by the Commission. Pending Commission approval of the final Policy Statement, the staff is uncertain as to the allowable alternatives, if any, to the requirement that an individual serving in such a dual-role have a bachelor's degree in engineering. Accordingly, while we agree to the incorporation of a provision for dual-role use of qualified individuals, pending final Commission action on this matter such individuals must have a bachelor's degree in engineering. Less educational qualifications are not acceptable.

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3.0 Environmental Consideration

This amendment relates to changes in recordkeeping, reporting, or administrative procedures or requirements. Accordingly, this amendment meets the eligibility criteria for categorical exclusion set forth in 10 CFR 51.22(c)(10). Pursuant to 10 CFR 51.22(b) no environmental impact statement or environmental assessment need be prepared in connection with the issuance of this amendment.

4.0 Conclusion

We have concluded, based on the considerations discussed above, that: (1) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, and (2) 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.

Principal Contributor: L. Crocker

Dated: September 24, 1984