

FEB 04 1986

Docket No. 50-293

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

Dear Mr. Harrington:

SUBJECT: CHANGES IN TECHNICAL SPECIFICATIONS TABLE 3.1.1

Re: Pilgrim Nuclear Power Station

The Commission has issued the enclosed Amendment No. 92 to Facility Operating License No. DPR-35 for the Pilgrim Nuclear Power Station. This amendment is in response to your application dated August 9, 1985.

The amendment revises Technical Specifications Table 3.1.1, "Reactor Protection System (SCRAM) Instrumentation Requirement", as follows:

- (1) the footnote associated with the APRM high flux scram setpoint has been changed to match the value for this setting in TS 2.1.A.1.a, "Fuel Cladding Integrity", and on Figure 3.11-9, "Pilgrim Power/Flow Map."
- (2) Note reference (13) has been restored in the "Trip Level Setting" column at the "APRM Inoperative" line.

A copy of our related Safety Evaluation is also enclosed. The Notice of Issuance will be included in the Commission's biweekly Federal Register notices.

Sincerely,

~~Original signed by~~
John A. Zwolinski, Director
BWR Project Directorate #1
Division of BWR Licensing

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P PDR

Enclosures:

- 1. Amendment No. 92 to License No. DPR-35
- 2. Safety Evaluation

cc w/enclosures:
See next page

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

February 4, 1986

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Sincerely,

A handwritten signature in black ink, appearing to read "John A. Zwolinski".

John A. Zwolinski, Director
BWR Project Directorate #1
Division of BWR Licensing

Enclosures:

1. Amendment No. 92 to
License No. DPR-35
2. Safety Evaluation

cc w/enclosures:
See next page

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. 92
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 August 9, 1985, 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:

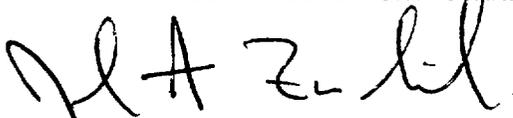
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B. Technical Specifications

The Technical Specifications contained in Appendix A, as revised through Amendment No. 92, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

3. This license amendment is effective 30 days after the date of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



John A. Zwolinski, Director
BWR Project Directorate #1
Division of BWR Licensing

Attachment:
Changes to the Technical
Specifications

Date of Issuance: February 4, 1986

ATTACHMENT TO LICENSE AMENDMENT NO. 92

FACILITY OPERATING LICENSE NO. DPR-35

DOCKET NO. 50-293

Revise the Appendix A Technical Specifications by removing the page identified below and inserting the attached page. The revised page is identified by the captioned amendment number and has marginal lines indicating the areas of change.

REMOVE

27

INSERT

27

TABLE 3.1.1 REACTOR PROTECTION SYSTEM (SCRAM) INSTRUMENTATION REQUIREMENT

Minimum Number Operable Inst. Channels per Trip(1) System	Trip Function	Trip Level Setting	Modes in Which Function Must Be Operable			Action ⁽¹⁾
			Refuel (7)	Startup/Hot, Standby	Run	
1	Mode Switch in Shutdown		X	X	X	A
1	Manual Scram		X	X	X	A
3	IRM					
3	High Flux	≤120/125 of full scale	X	X	(5)	A
3	Inoperative		X	X	(5)	A
2	APRM					
2	High Flux	* (14) (15)	(17)	(17)	X	A or B
2	Inoperative	(13)	X	X(9)	X	A or B
2	Downscale	≥2.5 Indicated on Scale	(11)	(11)	X(12)	A or B
2	High Flux (15%)	≤15% of Design Power	X	X	(16)	A or B
2	High Reactor Pressure	≤1085 psig	X(10)	X	X	A
2	High Drywell Pressure	≤2.5 psig	X(8)	X(8)	X	A
2	Reactor Low Water Level	≥9 In. Indicated Level	X	X	X	A
2	High Water Level in Scram Discharge Tank	≤39 Gallons	X(2)	X	X	A
2	Turbine Condenser Low Vacuum	≥23 In. Hg Vacuum	X(3)	X(3)	X	A or C
2	Main Steam Line High Radiation	≤7X Normal Full Power Background (18)	X	X	X(18)	A or C
4	Main Steam Line Isolation Valve Closure	≤10% Valve Closure	X(3)(6)	X(3)(6)	X(6)	A or C
2	Turb. Cont. Valve Fast Closure	≥150 psig Control Oil Pressure at Acceleration Relay	X(4)	X(4)	X(4)	A or D
4	Turbine Stop Valve Closure	≤10% Valve Closure	X(4)	X(4)	X(4)	A or D

*APRM high flux scram setpoint $\leq (.58W + 62\%) \left[\frac{FRP}{MFLPD} \right]$ Two recirc. pump operation



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

SUPPORTING AMENDMENT NO. 92 TO FACILITY OPERATING LICENSE NO. DPR-35

BOSTON EDISON COMPANY

PILGRIM NUCLEAR POWER STATION

DOCKET NO. 50-293

1.0 INTRODUCTION

By letter dated August 9, 1985, Boston Edison Company (the licensee) proposed two changes in Table 3.1.1 of the Technical Specifications for Pilgrim Nuclear Power Station. Table 3.1.1 lists the reactor protection system (SCRAM) instrumentation requirements.

Currently the footnote associated with the APRM high flux scram setpoint states:

*APRM high flux scram setpoint $\leq (.65W + 55) \frac{FRP}{MFLPD}$ Two recirc pump operation.

This is to be changed to:

*APRM high flux scram setpoint $\leq (.58W - 62\%) \frac{FRP}{MFLPD}$ Two recirc pump operation.

The other proposed change is to place the note reference (13) in the "Trip Level Setting" column at the "APRM Inoperative" line.

2.0 EVALUATION

The proposed change in the formula in the footnote associated with the APRM high flux scram setpoint is to correct an oversight which occurred with the issuance of Amendment No. 72 to the Pilgrim operating license. Amendment No. 72 changed the same formula in Technical Specification 2.1.A.1.a and on the APRM Scram Line of Figure 3.11.9 "Pilgrim Power/Flow Map." The formula in the Table 3.1.1 footnote should also have been changed at that time. In our safety evaluation supporting Amendment No. 72, we found the change in the formula to be acceptable. On the basis of that review, we also find this proposed change in Table 3.1.1 to be acceptable.

The other proposed change is simply to restore a reference to note (13) for Table 3.1.1 which was inadvertently deleted in issuing Amendment No. 15 to the Pilgrim operating license. This reference will aid users of the table in locating the definition of APRM inoperability. However, the restoration of this reference will have no effect on safety considerations since the definition itself has continually been available in note (13). This change is, therefore, acceptable.

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3.0 ENVIRONMENTAL CONSIDERATION

This amendment involves a change to a requirement with respect to the installation or use of a facility component located within the restricted area as defined in 10 CFR Part 20. The staff has determined that the amendment involves no significant increase in the amounts, and no significant change in the types, of any effluents that may be released offsite and that there is no significant increase in individual or cumulative occupational radiation exposure. The Commission has previously issued a proposed finding that this amendment involves no significant hazards consideration and there has been no public comment on such finding. Accordingly, this amendment meets the eligibility criteria for categorical exclusion set forth in 10 CFR 51.22(c)(9). Pursuant to 10 CFR 51.22(b) no environmental impact statement nor environmental assessment need be prepared in connection with the issuance of this amendment.

4.0 CONCLUSION

The staff has 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 nor to the health and safety of the public.

Principal Contributor: P. H. Leech

Dated: February 4, 1986