

December 17, 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. 85 to Facility Operating License No. DPR-35 for the Pilgrim Nuclear Power Station in response to your letter dated December 12, 1984, in which you requested an extension of the date for completion of NUREG-0737, Items II.B.3 and II.F.1(6) to June 30, 1985.

This amendment modifies Section IV of the March 14, 1983 Commission Order confirming Licensee Commitments on Post-TMI Related Issues, as modified by the Commission's Order dated June 15, 1984.

A copy of the Commission's related Safety Evaluation is also enclosed.

Sincerely,

Original signed by/

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

Enclosures:

1. Amendment No. 85 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. 85
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 December 12, 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. The license is hereby amended by adding Paragraph 3.I to read as follows:
 - I. Post-Accident Sampling System, NUREG-0737, Item II.B.3, and Containment Atmospheric Monitoring System, NUREG-0737, Item II.F.1(6)

The licensee shall complete the installation of a post-accident sampling system and a containment atmospheric monitoring system as soon as practicable, but no later than June 30, 1985.

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

FOR THE NUCLEAR REGULATORY COMMISSION

A handwritten signature in cursive script, appearing to read "D. Vassallo".

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

Attachment:
Changes to the Technical
Specifications

Date of Issuance: December 17, 1984



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

SUPPORTING AMENDMENT NO. 85 TO FACILITY OPERATING LICENSE NO. DPR-35

BOSTON EDISON COMPANY

PILGRIM NUCLEAR POWER STATION, UNIT 1

DOCKET NO. 50-293

1.0 Introduction

Our order, dated June 15, 1984, extended the implementation of the NUREG-0737 Items II.B.3, Post-Accident Sampling System (PASS), and II.F.1.(6), Containment Atmospheric Monitoring System (H_2/O_2) to the end of refueling outage No. 6. During the final testing phase, cracks were found in two one-inch sample lines common to both the PASS and H_2/O_2 systems. The licensee stated that our order date can not be met because of the time involved in determining the extent of the problem and repair and/or modification of the sample lines.

By letter dated December 12, 1984, the licensee requested extension for completion of repairs and testing for the PASS and H_2/O_2 systems by June 30, 1985.

2.0 Evaluation

Repair of the cracked piping is affecting one torus sampling train. The licensee stated that at least one drywell sampling train, one redundant torus sampling train, and all liquid sample lines will be operational prior to startup following refueling outage No. 6. These operational sample lines meet the requirements for reactor coolant and containment atmosphere sampling in NUREG-0737, Item II.B.3 for the PASS system. The H_2/O_2 system requires redundancy as indicated in Item II.F.1 of NUREG-0737. However, since this redundancy will be available after the licensee expeditiously repairs and/or modifies the inoperative train, interim operation of the H_2/O_2 system on one torus sampling train and one drywell sampling train is acceptable.

Based on the above evaluation, we conclude that the extension of the date for completion (repairs and operability) of the PASS and H_2/O_2 systems to June 30, 1985 is acceptable.

3.0 Conclusions

3.1 Final No Significant Hazards Consideration Determination

3.1.1 State Consultation

In accordance with the Commission's regulations, consultation was held with the Commonwealth of Massachusetts, Department of Public Health, by telephone. The Commonwealth expressed no concern over the proposed schedule extension for completion of the PASS and H₂/O₂ systems in view of the sampling and monitoring capabilities the licensee will have available during the period prior to completion of these systems.

3.1.2 Response to Comments

No comments were received. A Notice of the proposed amendment was not published in the Federal Register due to the lack of sufficient time for public comment prior to the expected plant startup date (December 17, 1984).

3.1.3 No Significant Hazards Consideration Determination

The Commission's regulations in 10 CFR 50.92 state that the Commission may make a final determination that a proposed license amendment involves no significant hazards considerations if operation of the facility in accordance with the proposed amendment would not:

- (1) Involve a significant increase in the probability or consequences of an accident previously evaluated; or
- (2) Create the possibility of a new or different kind of accident from any accident previously evaluated; or
- (3) Involve a significant reduction in a margin of safety.

The information in this Safety Evaluation provides the basis for evaluating the proposed license amendment against these criteria. Since the licensee's previous ability to monitor the primary containment remains available via sampling capabilities in both the drywell and the torus, a delay in completion of the PASS and H₂/O₂ systems will not detract from that ability. On the contrary, that ability will be enhanced as the licensee makes various portions of these systems operable. Therefore, the staff concludes that:

- (1) Operation of the facility in accordance with the proposed amendment would not significantly increase the probability or consequences of an accident previously evaluated.
- (2) Operation of the facility in accordance with the proposed amendment would not create the possibility of a new or different kind of accident from any accident previously evaluated.
- (3) Operation of the facility in accordance with the proposed amendment would not involve a significant reduction in a margin of safety.

Accordingly, we conclude that the amendment to Facility Operating License No. DPR-35 extending the completion date for implementation of NUREG-0737 Items II.B.3 and II.F.1.6 from the "End of Refueling Outage No. 6" (December 1984) to June 30, 1985, involves no significant hazards consideration.

4.0 Environmental Consideration

This amendment involves a change in 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 made a final finding that this amendment involves no significant hazards consideration. 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 or environmental assessment need be prepared in connection with the issuance of this amendment.

5.0 General 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: Frank Witt, Paul Leech

Dated: December 17, 1984