

BOSTON EDISON COMPANY
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A. V. MORISI
MANAGER
NUCLEAR OPERATIONS SUPPORT DEPARTMENT



April 26, 1982

BECO. Ltr. #82-112

Mr. Domenic B. Vassallo, 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

Completion Dates of Fire Protection Modifications

- References:
- (a) NRC Letter dated 2/24/82, Thomas T. Martin to W. D. Harrington
 - (b) NRC Safety Evaluation Report Dated 12/15/80, T. A. Ippolito to A. V. Morisi
 - (c) BECo Letter #82-11, Dated 1/18/82, A. V. Morisi to T. A. Ippolito
 - (d) SER Dated December 1978
 - (e) BECo Letter #78-135 Dated 2/27/78, G. C. Andognini to D. L. Ziemann
 - (f) BECo Letter #80-38 Dated 2/29/80, G. C. Andognini to T. A. Ippolito

Dear Sir:

This letter provides you with a status of the following fire protection modifications at Pilgrim Nuclear Power Station:

1. Fire Protection Deluge System for the Standby Gas Treatment System

In Boston Edison Company's (BECO's) January 13, 1982 letter from A. V. Morisi to NRC's E. J. Brunner, BECo requested an extension for completion of the modifications to the Standby Gas Treatment Fire Protection Deluge System. This extension was granted via the NRC's letter, Reference (a) for completion in April 1982. BECo has completed the modifications, testing, operator training and applicable procedure changes by the April 1982 extension date granted by the NRC.

2. Penetration Seals, Item 3.1.19 of SER Dated December 21, 1978

In Reference (b) the NRC stated that Boston Edison's proposed upgrading of penetration seals in response to the requirements of Item 3.1.19 of the December 31, 1978 SER would meet the requirements of Section 17.1.1.1 of Appendix R to 10 CFR 50.

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All penetration seals that were recommended for upgrading have been completed as of March 19, 1982.

3. Cable Spreading Room CO₂ System

In Reference (c) "Special Report - CSR CO₂ System Corrective Actions", BECo provided the NRC with its engineering evaluations of the CO₂ Dump Test that was conducted for the CSR on October 26, 1981. At the time of the Reference (c) "Special Report", BECo could not recommend an alternate suppression system to replace the CO₂ system because the engineering evaluations necessary to choose an alternate system were in progress.

Boston Edison has completed these evaluations and has chosen a total flooding Halon 1301 system for the CSR. The schedule for completion of the installation of this system will be addressed in the integrated plan discussed in our letter to D. G. Eisenhower dated April 16, 1982. The existing CO₂ system has been made inoperable and a continuous fire watch is maintained as per the requirements of Section 3.12.D of Technical Specification.

4. Diesel Generator Room

In Reference (d), "Specific Plant Areas", Item 5.19.6 "Modifications" baffles were recommended to protect the generator, controls and air intakes from sprinkler water discharge. This modification is not applicable to PNPS for the following reasons:

- 1) The sprinkler system in each of the Diesel Generator Rooms is a preaction type sprinkler system.
- 2) Safety-related Diesel Generator Rooms "A" and "B" are served by separate sprinkler systems. Actuation of these proposed systems could affect the operation of the onsite power system; however, the redundant units and their auxiliaries are separated by barriers. This separation will prevent an inadvertent operation of the water suppression system in either area from simultaneously affecting both units.

5. Control Room

In Reference (e) "Fire Protection Review" letter of 1978, BECo committed to install fire detectors in six (6) control room panels. When the SER, Reference (d) was issued the NRC stated in Section 5.15.6 that fire detection and signaling systems would be installed in seven control room panels. The final modification involved six (6) panels as originally stated in Reference (e) and not the seven (7) as stated in the SER, Reference (d). This information has previously been presented to NRR in BECo's letter of February 29, 1980 Reference f).

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We trust the above information is responsive to your needs; however, should you require any additional information please do not hesitate to contact us.

Very truly yours,

A. Morin