

JAN 17 1983

Mr. A. Victor Morisi
Manager, Nuclear Operations
Support Department
Boston Edison Company
25 Braintree Hill Park
Rockdale Street
Braintree, Massachusetts 02184

Dear Mr. Morisi:

SUBJECT: REVIEW OF SAFE SHUTDOWN CAPABILITY APPENDIX R TO 10 CFR
PART 50, ITEMS III.G AND III.L.

Re: Pilgrim Nuclear Power Station

We have completed our initial review of the safe shutdown capability in the event of fire at the Pilgrim Nuclear Power Station (PNPS). The safe shutdown capability was evaluated against the requirements of Section III.G.3 and III.L of Appendix R to 10 CFR 50. We conclude that your proposed design for alternate safe shutdown is in accordance with the requirements of Appendix R, Sections III.G.3 and III.L, with the following exceptions:

- 1) Suppression pool temperature and level indications, independent of the control room, is not provided.
- 2) A positive means of isolating the RHR isolation valves to prevent spurious operation of these valves at high pressure during a fire is not provided.
- 3) Switches or similar devices are not provided to obviate the need for pulling fuses to achieve isolation in order to prevent spurious signals during hot shutdown conditions.

You are requested to provide your commitment to implement changes to address each of the areas identified above. In addition, you are requested to provide written confirmation of Boston Edison's statement in a December 7, 1982 meeting with the staff that all of the post-fire alternative shutdown circuits that share a common bus have coordinated protection.

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Please provide these commitments and your written confirmation of coordinated circuit protection within 45 days of the date of receipt of this letter.

This action addresses only the safe shutdown capability of your plant evaluated against the requirements of Sections III.G.3 and III.L of Appendix R to 10 CFR Part 50. Your request of June 25, 1982 for specific exemptions from the requirements of 10 CFR 50.48 and Appendix R will be the subject of a separate action.

The reporting and/or recordkeeping requirements contained in this letter affect fewer than ten respondents; therefore, OMB clearance is not required under P.L. 96-511.

Sincerely,

Original signed by
D. B. Vassallo

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

cc:
See next page

Distribution

NRC PDR → *Docket File*

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DATE	1/11/83	1/12/83 <i>pr</i>	1/17/83	1/ /83	1/14/83		

Mr. A. Victor Morisi
Boston Edison Company

cc:

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Pilgrim Station Manager
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