



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

January 23, 1986

Docket No. 50-293

Boston Edison Company M/C Nuclear  
ATTN: Mr. William D. Harrington  
Senior Vice President, Nuclear  
800 Boylston Street  
Boston, Massachusetts 02199

Gentlemen:

SUBJECT: SAFETY SYSTEM FUNCTIONAL INSPECTION REPORT 50-293/85-30

This letter forwards the report of the Safety System Functional Inspection performed by an NRC team from November 4-8 and November 18-22, 1985 involving activities authorized by NRC Operating License No. DPR-35 for your Pilgrim facility. This inspection was conducted jointly by members of Region I and the Office of Inspection and Enforcement, by NRC contractors, and with assistance of the Resident Inspector. At the conclusion of the inspection, the findings were discussed at an exit meeting with those members of your staff identified in the appendix to the enclosed inspection report.

This NRC effort at Pilgrim represents a new inspection approach involving an assessment of the operational readiness and functions of selected safety systems. Particular attention is directed to the details of modifications and design control, quality of maintenance and surveillance, and adequacy of testing applicable to those safety systems. At Pilgrim, the team selected the high pressure coolant injection system as described in the operating license as the primary focus of its review. A partial review was performed of other selected safety systems, such as core spray, standby gas treatment, and residual heat removal.

The report includes findings that may result in enforcement action, which would be the subject of subsequent correspondence. The report also addresses other observations and conclusions made by the inspection team. Section II of the report is a summary of the safety effects of the more significant findings on the operational readiness of the selected safety systems.

We note that your staff has taken prompt and effective corrective actions for many of the weaknesses identified by the NRC inspection team. We further note that you have reviews in progress regarding several of the other identified weaknesses to determine what, if any, corrective actions will be necessary. You are encouraged to keep the Region I Office informed, in writing, of the results of your reviews and your plans for corrective actions regarding those areas in which weaknesses were identified.

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Should you have any questions concerning this inspection, we would be pleased to discuss them with you.

Sincerely,  
Original Signed By  
James M. Taylor  
James M. Taylor, Director  
Office of Inspection and Enforcement

Enclosure:  
Inspection Report No. 50-293/85-30

cc w/enclosure:  
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