



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION
SUPPORTING AMENDMENT NO. 84 TO FACILITY OPERATING LICENSE NO. DPR-35
BOSTON EDISON COMPANY
PILGRIM NUCLEAR POWER STATION, UNIT 1
DOCKET NO. 50-293

1.0 Introduction

By letters dated August 9, 1984 and October 2^o, 1984, the Boston Edison Company (BECO/licensee) proposed replacement of the Technical Specifications (Section 3/4.12D) relative to an inoperative carbon dioxide (CO₂) fire suppression system with similar specifications for a Halon suppression system. The Halon system has recently been installed in the cable spreading room (CSR) at the Pilgrim Station. References to the CO₂ system for protection of the switchgear rooms at the 23-foot and 37-foot elevations will be deleted because the CO₂ hose stations at those locations have been replaced by water hose stations.

The CO₂ system has been inoperative since it failed a dump test in the CSR on October 24, 1981. Since then, the CSR has been monitored by fire watch patrol.

2.0 Evaluation

The licensee's submittal states that a test of the Halon 1301 system was successfully completed on May 3, 1984. This test was conducted in conformance with the standard test criteria prescribed by the National Fire Protection Association (NFPA), which meet the requirements of 10 CFR Part 50, Appendix R. This Halon installation in the CSR is, therefore, acceptable.

The proposed changes to the Technical Specifications are appropriate to the installation at Pilgrim Station and they also meet the requirements of Appendix R. Therefore, we conclude that the proposed changes in the Technical Specifications are acceptable.

3.0 Environmental Considerations

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 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 or environmental assessment need be prepared in connection with the issuance of this amendment.

4.0 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: P. H. Leech

Dated: November 27, 1984