

**BOSTON EDISON**

Pilgrim Nuclear Power Station
Rocky Hill Road
Plymouth, Massachusetts 02360

10CFR2.201

June 30, 1992
BECO Ltr. 92- 068

Roy A. Anderson
Senior Vice President — Nuclear

Mr. Thomas T. Martin
Regional Administrator, Region I
U.S. Nuclear Regulatory Commission
475 Allendale Road
King of Prussia, PA 19406

Docket No. 50-293
License No. DPR-35

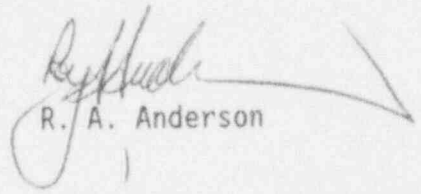
Subject: Update to Unresolved Item 50-293/91-80-02 Identified During the
Electrical Distribution System Functional Inspection (EDSFI) (Reference
NRC Region I Inspection Report No. 50-293/91-80)

Dear Sir:

Unresolved Item (UNR 91-80-02) involved the review of the electrical load flow and voltage drop studies and the adequacy of degraded voltage setpoints. As discussed in Boston Edison Company (BECO) Letter 91-999 dated November 25, 1991, this review indicated sufficient voltage may not be available to selected loads at the 480V and 120V Systems under certain extremely low probability conditions. To address this issue we have decided to replace four fixed tapped 480-120/240 volt transformers with four regulating transformers. Transformers X55 and X56 are presently scheduled to be replaced in Midcycle Outage 9 and transformers X57 and X58 are presently scheduled to be replaced in Refuel Outage 9. Selected control power transformers for safety related motor control centers B14, B15, B17, B18 and B20 and Standby Gas Treatment System power cables are presently scheduled to be replaced during Refuel Outage 9. The completion of these modifications will eliminate the need for the compensatory measures described in BECO Letter 91-102 dated August 9, 1991.

Also, as part of this item BECO was to evaluate the electrical system for abnormal system alignments. BECO planned to complete this evaluation by the end of June 1992. The worst case transients have been reviewed including the running of the largest possible non-operating electrical load. A review of a postulated single failure of the load shed logic is ongoing. Due to emergent issues and the complexity of the analysis, the final evaluation for abnormal electrical alignments will be completed by November 30, 1992.

Please do not hesitate to contact me if there are any questions regarding this letter.


R. A. Anderson

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June 30, 1992

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Standard BECo Distribution