



Boston Edison

Pilgrim Nuclear Power Station
Rocky Hill Road
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E. T. Boulette, PhD
Senior Vice President — Nuclear

September 9, 1994
BECo Ltr. #94-101

U.S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, DC 20555

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

Subject: Pilgrim's Reactor Vessel Cumulative Usage Factor: Altran
Technical Report No. 93177-TR-03, Rev. 0

By letter dated May 11, 1994, the NRC requested that Boston Edison Company (BECo) submit the results of an in-progress contractor analysis for Pilgrim's reactor pressure vessel (RPV) cumulative usage factor (CUF).

Attached to this letter is the Executive Summary from Technical Report No. 93177-TR-03, Rev. 0, performed by Altran Corporation. This provides the results of the analysis and addresses your request. The entire Technical Report consists of several volumes and supporting calculations, and is available at Pilgrim for your review.

The revised analysis shows substantial increases in fatigue life when compared to the original analysis as reflected in Pilgrim's Final Safety Analysis Report (FSAR). All sections of the vessel are shown to be acceptable for the full 40-year design life of the RPV. Fatigue Usage Factors that include the increased cycle counts are all below the limiting value of 1.0.

Should you have any questions regarding this issue, please contact D. W. Ellis (508)830-8160

E.T. Boulette
E. T. Boulette, PhD
Sr. Vice President-Nuclear

ETB/PMK/js/TS/93177TR

Attachment: Executive Summary from Altran Technical Report No. 93177-TR-03, Rev. 0

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