

BOSTON EDISON COMPANY
800 BOYLSTON STREET
BOSTON, MASSACHUSETTS 02199

WILLIAM D. HARRINGTON
SENIOR VICE PRESIDENT
NUCLEAR

March 7, 1985
BECO 85-051

Mr. Domenic B. Vassallo, Chief
Operating Reactors Branch #2
Division of Licensing
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, D. C. 20555

License DPR-35
Docket 50-293

Supplemental Response to NUREG 0803, Generic Safety
Evaluation Report Regarding Integrity of BWR Scram System Piping

- References: (A) Boston Edison Company (BECO) Letter (A. V. Morisi) to NRC (D. B. Vassallo), dated June 4, 1982
(B) BECO Letter (A. V. Morisi) to NRC (D. B. Vassallo), dated May 26, 1982
(C) BECO Letter (W. D. Harrington) to NRC (D. B. Vassallo), dated May 10, 1983

Dear Sir:

Section 5.1 of NUREG 0803 requires an as-built inspection and seismic reanalysis of the SDV piping and its supports. In Reference (A) BECO provided a comprehensive response to NUREG 0803 and Section 5.1. References (B) and (C) subsequently modified the schedule for completion of this work to February 23, 1985.

During the most recent refueling outage, which ended in December 1984, extensive modifications were made to the SDV system. Separate scram discharge instrument volumes were incorporated into the original SDV system, and a significant portion of the original SDV system vent and drain piping was replaced.

The new scram discharge instrument volumes, the associated SDV vent and drain piping, and the pipe supports have been designed and analyzed considering the pressure, fluid dynamic forces, thermal expansion, seismic loadings, and environmental factors occurring during a scram and subsequent to scram reset.

A seismic reanalysis of the SDV piping and its supports has been performed to satisfy the NUREG 0803 requirements. The drawings required to place the modified SDV System in operation have also been completed. Updates to the isometrics to reflect the new as-built configuration are in progress and are expected to be completed by April 1, 1985. Should you desire additional information on this subject, please contact me.

Very truly yours,

8503120156 850307
PDR ADOCK 05000293
P PDR

Aool

W.D. Harrington

TFF/ns

EXECUTIVE SUMMARY

NUREG-0803 was transmitted to licensees as a result of the Brown's Ferry SDV problem of 1980. The NUREG required licensees to perform an as-built inspection and seismic reanalysis of the SDV piping and its supports. BECo responded to this NUREG on June 4, 1982 by stating that the above work would be completed after planned modifications were performed. We also stated that a final report would be made to NRC when the work was completed. The NRC subsequently confirmed our response and February 23, 1985 schedule for completion by Confirmatory Order.

This letter notifies the NRC that new as-built drawings have been completed and a satisfactory reanalysis of the system has been performed. This letter satisfies the reporting commitment made in our June 4, 1982 letter.