

July 27, 1984

Docket No. 50-293

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HShaw

Mr. William D. Harrington
Senior Vice President, Nuclear
Boston Edison Company
800 Boylston Street
Boston, Massachusetts 02199

Dear Mr. Harrington:

SUBJECT: MARK I CONTAINMENT LONG TERM PROGRAM - PLANT UNIQUE ANALYSIS
REPORT STRUCTURAL EVALUATION FOR PILGRIM NUCLEAR POWER STATION

The NRC staff and its consultant, the Franklin Research Center (FRC), are reviewing the structural aspects of your plant unique analysis report. As a result of our review to date we have prepared the enclosed request for additional information.

To expedite this review we request that a meeting between the NRC and our consultants and you and your contractor be held on August 23 - 24, 1984, to discuss your response to these issues. Since it is our intent to resolve these issues at this meeting, it is imperative that you have a representative present who has the authority to make the decisions necessary to accomplish this goal.

It is suggested that the meeting be held at your contractor's office; however, we are amenable to having it wherever is most convenient. Please notify your NRC project manager within seven days of receipt of this letter if a different location or date would be preferable.

Sincerely,

Original signed by/

Domenic B. Vassallo, Chief
Operating Reactors Branch #2
Division of Licensing

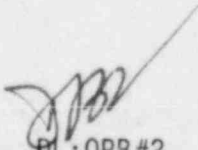
Enclosure:
As stated

cc w/enclosure:
See next page

DL:ORB#2
SNorris:ajs
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PLeech
07/27/84

DL:LB#2
BSiegel
07/27/84


DL:ORB#2
DVassallo
07/27/84

Mr. William D. Harrington
Boston Edison Company
Pilgrim Nuclear Power Station

cc:

Mr. Charles J. Mathis, Station Mgr.
Boston Edison Company
RFD #1, Rocky Hill Road
Plymouth, Massachusetts 02360

Resident Inspector's Office
U. S. Nuclear Regulatory Commission
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Plymouth, Massachusetts 02360

Mr. David F. Tarantino
Chairman, Board of Selectman
11 Lincoln Street
Plymouth, Massachusetts 02360

Water Quality and
Environmental Commissioner
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Office of the Attorney General
1 Ashburton Place
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Agency
Region I Office
Regional Radiation Representative
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Mr. Robert M. Hallisey, Director
Radiation Control Program
Massachusetts Department of
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Regional Administrator
Region I Office
U. S. Nuclear Regulatory Commission
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Mr. A. Victor Morisi
Boston Edison Company
25 Braintree Hill Park
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Braintree, Massachusetts 02184

Request for Information
Pilgrim Nuclear Power Station
SRV and Torus Attached Piping Systems

1. With respect to Section 2.3.2 of the PUA report, TR-5310-2 [2], indicate whether any SRV piping supports are located in the main vent pipe. If so, explain how the stresses in the main vent wall, near the supports, were calculated.
2. With respect to Section 2.4.2 of the PUA report, TR-5310-2 [2], indicate whether pressure (P) was considered in the SRV load cases.
3. With respect to Section 3.3.5 of the PUA report, TR-5310-2 [2], provide calculations demonstrating conformance to the 10% rule of Section 6.2 d [1] that may have exempted some branch piping at the Pilgrim plant from analysis.
4. Regarding the controlling load cases for torus attached piping given in Section 3.4.1 of the PUA report, TR-5310-2 (2), indicate whether seismic loads were considered in load case 25 (Table 1).
5. With respect to Section 3.4.7 of the PUA report, TR-5310-2 [2], provide the analytical results of the fatigue evaluation of torus shell penetrations.
6. With respect to Tables 3-1 and 3-2 of the PUA report, TR-5310-2 [2], indicate whether the lines in each of the following sets are identical and explain why only one result appears for each set: X-222A and X-222B, X-222C and X-222D, X-206C and X-206D, X-209A and X-209D, X-214 and X-215, X-216 and X-217, X-218 and X-219, X-228D and X-228F, and X-240A, X-240B, X-241A, and X-241B.
7. Provide the analytical results for the small bore lines associated with penetrations X-218 and X-219.

References

1. NEDO-24583-1
"Mark I Containment Program Structural Acceptance Criteria
Plant-Unique Analysis Application Guide"
General Electric Company, San Jose, CA
October 1979
2. Pilgrim Nuclear Power Station
Plant-Unique Analysis Report of the Torus Attached Piping, Mark I
Containment Program
Boston Edison Company
October 1983, TR-5310-2