January 30, 1985

Docket No. 50-293

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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

Re: Pilgrim Nuclear Power Station

We have completed our post-implementation audit review of the Pilgrim Plant Unique Analysis Report (PUAR) for the Mark I containment long term program. Enclosed are the staff's Safety Evaluations for the pool dynamic and structural load aspects of this program. Technical assistance was provided by Brookhaven National Laboratory for the pool dynamic load audit review and by Franklin Research Center for the structural audit review. Copies of their technical evaluations are also enclosed.

The staff has determined that all but a few of the modifications made by the Boston Edison Company are in accordance with the generic acceptance criteria contained in Appendix A of NUREG-0661, Mark I Containment Long Term Program and its supplement. Where deviations from the acceptance criteria specified in NUREG-0661 have been taken, they have been found acceptable. Therefore, the staff has concluded that Boston Edison's PUAR analysis verified that the containment modifications made have restored the original design safety margin to the Mark I containment at the Pilgrim Station. This action completes our review of this issue.

The vacuum breakers on Mark I containments, which were the subject of Generic Letter 83-02, are not considered within the scope of the Mark I containment long term program. This issue will be reviewed independently at a later date.

8502140217 850130 PDR ADOCK 05000293 We request that you submit, within 90 days of receipt of this letter, any Technical Specification changes required as a result of the Mark I containment modifications you have made (i.e., torus to drywell differential pressure control changes, torus water level changes).

Sincerely,

Original signed by/

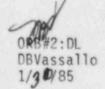
Domenic B. Vassallo, Chief Operating Reactors Branch #2 Division of Licensing

Enclosures:

- 1. Safety Evaluation Pool Dynamics Load
- 2. Safety Evaluation Structural Review
- 3. BNL Technical Evaluation
- 4. FRC Technical Evaluation

cc w/enclosures: See next page

ORB#2:DL SNorris 1/29/85 ORB#2:DLQ PLeech/pn 1/29/85



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

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Mr. Robert M. Hallisey. Director Radiation Control Program Massachusetts Department of Public Health 150 Tremont Street Boston, Massachusetts 02111 Thomas A. Murley Regional Administrator Region I Office U. S. Nuclear Regulatory Commission 631 Park Avenue King of Prussia, Pennsylvania 19406

Mr. A. Victor Morisi Boston Edison Company 25 Braintree Hill Park Rockdale Street Braintree, Massachusetts 02184