

August 29, 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: REQUEST FOR INFORMATION RELATIVE TO
CONTAINMENT PURGING AND VENTING

Re: Pilgrim Nuclear Power Station

Your letter dated April 1, 1985 provided a response, in Item 1.c., to our previous request for information relative to minimizing purging/venting of the primary containment during operation of the Pilgrim Station. Concerning that response, we have three questions which are listed in the enclosure to this letter.

Please respond to this request within 30 days of receipt of this letter.

The reporting and/or recordkeeping requirements of this letter affect fewer than ten respondents; therefore, OMB clearance is not required under P.L. 96-511.

Sincerely,

Original signed by/

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

Enclosure:
As stated

cc w/enclosure:
See next page

ORB#2:DL
SNorris:rc
08/5/85

ORB#2:DL
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ORB#2:DL
DVassallo
08/29/85

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

cc:

Mr. Charles J. Mathis, Station Mgr.
Boston Edison Company
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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
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Plymouth, Massachusetts 02360

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Mr. Robert M. Hallisey, Director
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Massachusetts Department of
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Regional Administrator
Region I Office
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Mr. A. Victor Morisi
Boston Edison Company
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Braintree, Massachusetts 02184

ENCLOSURE

PILGRIM PURGE/VENT REQUEST FOR ADDITIONAL INFORMATION

The following request for additional information stems from a review of the licensee's submittal of 1 April 1985.

1. In the submittal it is stated that 17 seconds was used as the valve closure time in the radiation release calculation, even though the Tech Spec requires valve closure in 10 seconds. In the Tech Spec (Amendment 42, 12 May 80) the valve closure time is given as 15 seconds. In our telecon of 31 Jul 85 you stated the following: (1) the 10-second valve closure time was incorrect, (2) 15 seconds is the correct Tech Spec value; and (3) a 2-second delay is assumed for pressure buildup plus electronic delay to account for the difference between 15 seconds and 17 seconds will be changed. Please verify that the above information is correct.
2. Provide the analyses which show that the ductwork, filters, fans, and any other safety equipment outboard of the purge/vent valves will survive a DBA-LOCA. Describe any equipment (moisture separators, heaters, coolers) in the purge/vent lines that may reduce the damage potential of the air-steam effluent due to a LOCA.
3. On page 2 of your submittal you quote a release rate of 161,000 lbm/hr. Please provide either the calculations or the assumptions and methodology in sufficient detail to allow verification of this value.