

October 7, 1985

Docket No. 50-293

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

Dear Mr. Harrington:

SUBJECT: NUREG-0737, ITEM II.K.3.18, MODIFICATIONS TO
THE AUTOMATIC DEPRESSURIZATION SYSTEM LOGIC

Re: Pilgrim Nuclear Power Station, Unit 1

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By letter dated June 3, 1983, we informed you that you should adopt one of the two logic modifications to the automatic depressurization system (ADS) logic that were considered in the BWR Owners Group study on this subject and approved by the NRC staff for implementation. By your letter of July 28, 1983, you referenced your previously stated position on this subject and stated that you still believe that the current ADS logic design at Pilgrim Station, coupled with implementation of symptom-oriented emergency procedures, will satisfy NUREG-0737, Item II.K.3.18.

The action you have proposed, maintaining the current ADS logic design and relying instead upon symptom-oriented emergency procedures, was one of the alternatives addressed in the BWROG report and rejected in our safety evaluation of the BWROG report. As stated in our safety evaluation, forwarded to you by our letter of June 3, 1983, this approach does not eliminate the need for operator action. The elimination of the need for operator action is required because it has not been demonstrated that the high drywell pressure signal, now necessary for actuation of ADS, would be present for all situations requiring ADS actuation. Therefore, we have once again determined that you should implement one of the two NRC staff-approved modifications to your ADS logic, as specified in our letter to you of June 3, 1983.

We request that you provide to us your plans and schedule for such modifications within 45 days of receipt of this letter.

Sincerely,

Original signed by/

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

cc: See next page

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

cc:

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