

April 12, 1986

CAL No.: 86-10  
Docket Number: 50-293

Boston Edison Company M/C Nuclear  
ATTN: Mr. William D. Harrington  
Senior Vice President, Nuclear  
800 Boylston Street  
Boston, Massachusetts 02199

Gentlemen:

Subject: Confirmation of Actions to be Taken with Regard to the Pilgrim  
Plant Events Which Occurred on April 11-12, 1986

Pursuant to our telephone conversation on April 12, 1986 with Mr. Oxsen it is  
our understanding that you have taken or will take the following actions:

1. Maintain all affected equipment related to the events which occurred  
on April 11-12, 1986 in its as-found condition (except as  
necessary to maintain the plant in a safe shutdown condition) in  
order to preserve any evidence which would be needed to inspect  
or reconstruct the events.
2. Develop troubleshooting plans and procedures and provide those to  
the NRC Augmented Inspection Team (AIT) for their review and  
comment prior to initiating any troubleshooting of the affected  
equipment.
3. Advise the AIT leader prior to the conduct of any troubleshooting  
activities.
4. Make available to the NRC AIT relevant written material related to  
previous problems with the affected equipment.
5. Provide a written report to the Regional Administrator prior to  
restart that contains your evaluation of the following:
  - a. Intersystem leakage through the motor-operated injection  
valves (including the check valve) of the residual heat  
removal system;
  - b. The primary containment isolation which occurred during  
shutdown after the reactor mode switch was repositioned  
from the run mode to the startup mode;

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- c. The failure of the outboard main steam isolation valves to reopen after resetting the primary containment isolation signal.

This report should include the underlying causes for the above noted events, an assessment of their relationship to previous events including the events of April 4, 1986, corrective actions taken and your basis for restart, including the criteria used and your analyses associated with these criteria.

Further we understand that restart will not occur until you receive authorization from the Regional Administrator.

If your understanding of the actions to be taken are different than those described above, please contact this office within 24 hours of the receipt of this letter.

Thank you for your cooperation.

Sincerely,

*Original signed by*  
*Thomas E. Murley*

Thomas E. Murley  
Regional Administrator

cc: L. Oxsen, Vice President, Nuclear Operations  
C. J. Mathis, Station Manager  
Joanne Shotwell, Assistant Attorney General  
Paul Levy, Chairman, Department of Public Utilities  
Plymouth Board of Selectmen  
Plymouth Civil Defense Director  
Senator Edward P. Kirby  
Public Document Room (PDR)  
Local Public Document Room (LPDR)  
Nuclear Safety Information Center (MSIC)  
NRC Resident Inspector  
Commonwealth of Massachusetts (2)  
V. Stello, EDO  
J. Taylor, IE  
J. Sniezek, EDO  
J. Zwolinski, NRR  
P. Leech, NRR

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