

50-293B



UNITED STATES  
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001

December 10, 1996

Mr. E. Thomas Boulette, Ph.D  
Senior Vice President - Nuclear  
Boston Edison Company  
Pilgrim Nuclear Power Station  
RFD #1 Rocky Hill Road  
Plymouth, MA 02360

SUBJECT: CLOSEOUT FOR BOSTON EDISON COMPANY RESPONSE TO GENERIC LETTER 92-01,  
REVISION 1, SUPPLEMENT 1 FOR THE PILGRIM NUCLEAR POWER STATION  
(TAC NO. M92716)

Dear Mr. Boulette:

On May 19, 1995, the NRC issued Generic Letter (GL) 92-01, Revision 1, Supplement 1 (GL 92-01, Rev. 1, Supp. 1), "Reactor Vessel Structural Integrity." In GL 92-01, Rev. 1, Supp. 1, the NRC requested that nuclear licensees perform a review of their reactor pressure vessel structural integrity assessments in order "to identify, collect, and report any new data pertinent to [the] analysis of [the] structural integrity of their reactor pressure vessels (RPVs) and to assess the impact of that data on their RPV integrity analyses relative to the requirements of Section 50.60 of Title 10 of the *Code of Federal Regulations* (10 CFR 50.60), 10 CFR 50.61, Appendices G and H to 10 CFR Part 50 (which encompass pressurized thermal shock (PTS) and upper shelf energy (USE) evaluations), and any potential impact on low temperature overpressure (LTOP) limits or pressure-temperature (P-T) limits."

More specifically, in GL 92-01, Rev. 1, Supp. 1, the NRC requested that addressees provide the following information in their responses:

- (1) a description of those actions taken or planned to locate all data relevant to the determination of RPV integrity, or an explanation of why the existing database is considered complete as previously submitted;
- (2) an assessment of any change in best-estimate chemistry based on consideration of all relevant data;
- (3) a determination of the need for the use of the ratio procedure in accordance with the established Position 2.1 of Regulatory Guide 1.99, Revision 2, for those licensees that use surveillance data to provide a basis for the RPV integrity evaluation; and
- (4) a written report providing any newly acquired data as specified above and (1) the results of any necessary revisions to the evaluations of RPV integrity in accordance with the requirements of 10 CFR 50.60, 10 CFR 50.61, Appendices G and H to 10 CFR Part 50, and any potential impact of the LTOP and P-T limits in the technical specifications, or (2) a certification that previously submitted evaluations remain valid.

NRC FILE CENTER COPY

9612160206 961210  
PDR ADDOCK 05000293  
P PDR

Revised evaluations and certifications were to include consideration of Position 2.1 of Regulatory Guide 1.99, Revision 2, as applicable, and any new data. The information in Reporting Item (1) was to be submitted within 90 days of the issuance of the GL. The information in Reporting Items (2) -- (4) was to be submitted within 6 months of the issuance of the GL.

The staff has noted that Boston Edison Company (BECO) submitted the information requested in Reporting Item (1) on August 16, 1995, and requested in Reporting Items (2) -- (4) on November 17, 1995. Your response indicates that BECO has performed some additional reviews of the pertinent Owners Group databases and has not found any additional data regarding the best-estimate chemistries for the RPV materials and surveillance capsules at the Pilgrim Nuclear Power Station. Since BECO has submitted the requested information and has indicated that the previously submitted evaluations remain valid, the staff considers the RPV integrity data for the Pilgrim Nuclear Power Station to be complete at this time. The staff therefore concludes that no additional information regarding the structural integrity of the RPV at the Pilgrim Nuclear Power Station is available at this time, and that your efforts regarding GL 92-01, Rev. 1, Supp. 1 are complete. This completes all actions related to the referenced TAC Number.

The staff has also noted that you are waiting for some of the Owners Groups Reactor Vessel Working Groups to complete activities to establish a comprehensive RPV information database. These assessments are expected to be completed by the summer of 1997. We request that you provide us with the results of the Owners Groups' programs relative to your plant. When you provide this information, the staff may open a plant-specific TAC No. for its review.

Questions regarding this letter should be sent to me at the letterhead address or you can contact me at (301) 415-1445. Thank you for your cooperation.

Sincerely,  
/s/

Alan B. Wang, Project Manager  
Project Directorate I-1  
Division of Reactor Projects - I/II  
Office of Nuclear Reactor Regulation

Docket No. 50-293

cc: See next page

DISTRIBUTION:

Docket File	SVarga	SLittle	RConte, RGN-I
PUBLIC	JZwolinski	OGC	DMcDonald
PDI-1 Reading	SBajwa	ACRS	

DOCUMENT NAME: PIM92716.LTR

To receive a copy of this document, indicate in the box: "C" = Copy without attachment/enclosure "E" = Copy with attachment/enclosure "N" = No copy

OFFICE	PM: PDI-1	E	LA: PDI-1	D: PDI-1			
NAME	AWang:mw		SLittle	SBajwa			
DATE	12/ /96		12/ /96	12/ /96		12/ /96	12/ /96

Official Record Copy

Revised evaluations and certifications were to include consideration of Position 2.1 of Regulatory Guide 1.99, Revision 2, as applicable, and any new data. The information in Reporting Item (1) was to be submitted within 90 days of the issuance of the GL. The information in Reporting Items (2) — (4) was to be submitted within 6 months of the issuance of the GL.

The staff has noted that Boston Edison Company (BECo) submitted the information requested in Reporting Item (1) on August 16, 1995, and requested in Reporting Items (2) — (4) on November 17, 1995. Your response indicates that BECo has performed some additional reviews of the pertinent Owners Group databases and has not found any additional data regarding the best-estimate chemistries for the RPV materials and surveillance capsules at the Pilgrim Nuclear Power Station. Since BECo has submitted the requested information and has indicated that the previously submitted evaluations remain valid, the staff considers the RPV integrity data for the Pilgrim Nuclear Power Station to be complete at this time. The staff therefore concludes that no additional information regarding the structural integrity of the RPV at the Pilgrim Nuclear Power Station is available at this time, and that your efforts regarding GL 92-01, Rev. 1, Supp. 1 are complete. This completes all actions related to the referenced TAC Number.

The staff has also noted that you are waiting for some of the Owners Groups Reactor Vessel Working Groups to complete activities to establish a comprehensive RPV information database. These assessments are expected to be completed by the summer of 1997. We request that you provide us with the results of the Owners Groups' programs relative to your plant. When you provide this information, the staff may open a plant-specific TAC No. for its review.

Questions regarding this letter should be sent to me at the letterhead address or you can contact me at (301) 415-1445. Thank you for your cooperation.

Sincerely,



Alan B. Wang, Project Manager  
Project Directorate I-1  
Division of Reactor Projects - I/II  
Office of Nuclear Reactor Regulation

Docket No. 50-293

cc: See next page

E. Thomas Boulette

Pilgrim Nuclear Power Station

cc:

Mr. Leon J. Olivier  
Vice President of Nuclear  
Operations & Station Director  
Pilgrim Nuclear Power Station  
RFD #1 Rocky Hill Road  
Plymouth, MA 02360

Mr. David F. Tarantino  
Nuclear Information Manager  
Pilgrim Nuclear Power Station  
RFD #1, Rocky Hill Road  
Plymouth, MA 02360

Resident Inspector  
U. S. Nuclear Regulatory Commission  
Pilgrim Nuclear Power Station  
Post Office Box 867  
Plymouth, MA 02360

Ms. Kathleen M. O'Toole  
Secretary of Public Safety  
Executive Office of Public Safety  
One Ashburton Place  
Boston, MA 02108

Chairman, Board of Selectmen  
11 Lincoln Street  
Plymouth, MA 02360

Mr. David Rodham, Director  
Massachusetts Emergency Management  
Agency  
400 Worcester Road  
P.O. Box 1496  
Framingham, MA 01701-0317  
Attn: James Muckerheide

Chairman, Duxbury Board of Selectmen  
Town Hall  
878 Tremont Street  
Duxbury, MA 02332

Chairmen, Citizens Urging  
Responsible Energy  
P. O. Box 2621  
Duxbury, MA 02331

Office of the Commissioner  
Massachusetts Department of  
Environmental Protection  
One Winter Street  
Boston, MA 02108

Citizens at Risk  
P. O. Box 3803  
Plymouth, MA 02361

Office of the Attorney General  
One Ashburton Place  
20th Floor  
Boston, MA 02108

W. S. Stowe, Esquire  
Boston Edison Company  
800 Boylston St., 36th Floor  
Boston, MA 02199

Mr. Robert M. Hallisey, Director  
Radiation Control Program  
Massachusetts Department of  
Public Health  
305 South Street  
Boston, MA 02130

Chairman  
Nuclear Matters Committee  
Town Hall  
11 Lincoln Street  
Plymouth, MA 02360

Regional Administrator, Region I  
U. S. Nuclear Regulatory Commission  
475 Allendale Road  
King of Prussia, PA 19406

Mr. William D. Meinert  
Nuclear Engineer  
Massachusetts Municipal Wholesale  
Electric Company  
P.O. Box 426  
Ludlow, MA 01056-0426

Ms. Jane Fleming  
8 Oceanwood Drive  
Duxbury, MA 02332

Mrs. Nancy Desmond  
Manager, Reg. Affairs Dept.  
Pilgrim Nuclear Power Station  
RFD #1 Rocky Hill Road  
Plymouth, MA 02360

Mr. Jeffrey Keene  
Regulatory Affairs Department  
Manager  
Boston Edison Company  
600 Rocky Hill Road  
Plymouth, MA 02360-5599