

January 22, 2003

Mr. Mike Bellamy
Site Vice President
Entergy Nuclear Operations, Inc.
Pilgrim Nuclear Power Station
600 Rocky Hill Road
Plymouth, MA 02360

SUBJECT: PILGRIM NUCLEAR POWER STATION - REQUEST FOR ADDITIONAL
INFORMATION REGARDING PILGRIM RELIEF REQUEST (PRR)-28
(TAC NO. MB6074)

Dear Mr. Bellamy:

By letter dated July 1, 2002, Entergy Nuclear Operations, Inc., requested relief from the inservice inspection requirements of Section 50.55a(g) of Title 10 of the *Code of Federal Regulations* as it pertains to performing examinations on the reactor pressure vessel circumferential shell welds for Pilgrim Nuclear Power Station.

In order to continue our review of your request, additional information, as delineated in the Enclosure, is required. The information was transmitted by email to Mr. Bryan Ford of your staff on January 10, 2003, and further discussed with members of your staff during a telephone call on January 13, 2003. Mr. Ford agreed that your staff will respond to the requested information by February 3, 2003. If circumstances result in the need to revise the response date or if you have any questions, please call me at (301) 415-8474.

Sincerely,

/RA/

Travis L. Tate, Project Manager, Section 2
Project Directorate I
Division of Licensing and Project Management
Office of Nuclear Reactor Regulation

Docket No. 50-293

Enclosure: Request for Additional Information

cc w/encl: See next page

Pilgrim Nuclear Power Station

cc:

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

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

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

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

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

Dr. Robert M. Hallisey, Director
Radiation Control Program
Commonwealth of Massachusetts
Executive Offices of Health and
Human Services
174 Portland Street
Boston, MA 02114

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

John M. Fulton
Assistant General Counsel
Pilgrim Nuclear Power Station
600 Rocky Hill Road
Plymouth, MA 02360-5599

Mr. C. Stephen Brennon
Licensing Superintendent
Pilgrim Nuclear Power Station
600 Rocky Hill Road
Plymouth, MA 02360-5599

Mr. Jack Alexander
Manager, Reg. Relations and
Quality Assurance
Pilgrim Nuclear Power Station
600 Rocky Hill Road
Plymouth, MA 02360-5599

Mr. David F. Tarantino
Nuclear Information Manager
Pilgrim Nuclear Power Station
600 Rocky Hill Road
Plymouth, MA 02360-5599

Ms. Jane Perlov
Secretary of Public Safety
Executive Office of Public Safety
One Ashburton Place
Boston, MA 02108

Mr. Stephen J. McGrail, Director
Attn: James Muckerheide
Massachusetts Emergency Management
Agency
400 Worcester Road
Framingham, MA 01702-5399

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

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

January 22, 2003

Mr. Mike Bellamy
Site Vice President
Entergy Nuclear Operations, Inc.
Pilgrim Nuclear Power Station
600 Rocky Hill Road
Plymouth, MA 02360

SUBJECT: PILGRIM NUCLEAR POWER STATION - REQUEST FOR ADDITIONAL
INFORMATION REGARDING PILGRIM RELIEF REQUEST (PRR)-28
(TAC NO. MB6074)

Dear Mr. Bellamy:

By letter dated July 1, 2002, Entergy Nuclear Operations, Inc., requested relief from the inservice inspection requirements of Section 50.55a(g) of Title 10 of the *Code of Federal Regulations* as it pertains to performing examinations on the reactor pressure vessel circumferential shell welds for Pilgrim Nuclear Power Station.

In order to continue our review of your request, additional information, as delineated in the Enclosure, is required. The information was transmitted by email to Mr. Bryan Ford of your staff on January 10, 2003, and further discussed with members of your staff during a telephone call on January 13, 2003. Mr. Ford agreed that your staff will respond to the requested information by February 3, 2003. If circumstances result in the need to revise the response date or if you have any questions, please call me at (301) 415-8474.

Sincerely,

/RA/

Travis L. Tate, Project Manager, Section 2
Project Directorate I
Division of Licensing and Project Management
Office of Nuclear Reactor Regulation

Docket No. 50-293

Enclosure: Request for Additional Information

cc w/encl: See next page

DISTRIBUTION:

PUBLIC PDI-2 R/F JClifford TTate SWall LCox
ACRS BPlatchek, RI OGC

ACCESSION NUMBER: ML030220079

OFFICE	PDI-2/PM	PDI-2/PM	PDI-2/LA (A)	PDI-2/SC
NAME	SWall	TTate	LCox	JClifford
DATE	1/16/03	1/16/03	1/17/03	1/21/03

Official Record Copy

REQUEST FOR ADDITIONAL INFORMATION

ALTERNATIVES FOR EXAMINATION OF REACTOR PRESSURE VESSEL SHELL WELDS

PILGRIM NUCLEAR POWER STATION

DOCKET NO. 50-293

Reference: Letter from Entergy Nuclear Operations, Inc. (ENO), to the U.S. Nuclear Regulatory Commission (NRC) Document Control Desk, "Pilgrim Relief Request (PRR)-28, Relief from [American Society of Mechanical Engineers Boiler and Pressure Vessel Code] ASME Code, Section XI, Examinations of Reactor Pressure Vessel Circumferential Shell Welds, Pursuant to Generic Letter 98-05," July 1, 2002.

The NRC staff needs the following information to complete its review of the license amendment request.

1. Attachment 2, Alternative

In addressing the Boiling Water Reactor Vessel and Internals Project (BWRVIP)-05 report, Generic Letter 98-05 states "... perform inservice inspections (ISI) on essentially 100 percent of the [reactor pressure vessel] RPV axial shell welds, and essentially zero percent of the circumferential RPV shell welds, except for the intersections of axial and circumferential welds." PRR-28 does not provide information on the percentage of intersecting circumferential welds that will be inspected as a result of axial weld inspections.

Please clarify ENO's commitment to performing inspections on axial shell welds with regards to the intersections of axial and circumferential welds. Additionally, identify the estimated percentage of circumferential welds that will be inspected under PRR-28.

2. Attachment 1, Section E.2(a)(4), Low-Pressure Coolant Injection (LPCI), Core Spray (CS), and Residual Heat Removal (RHR) Systems

ENO indicated that the LPCI, CS, and RHR systems do not operate at pressures above 400 psig. Considering that the Pilgrim Nuclear Power Station pressure-temperature curves limit pressure to 310 psig over the temperature range of 70 °F to 100 °F, provide additional details on the controls to prevent an over-pressure event by the LPCI, CS, and RHR systems below 100 °F?

3. Attachment 1, Section E.2(a)(2), Feedwater/Condensate Systems

Provide additional details on controls to prevent inadvertent injection by the reactor feed pumps or condensate pumps below 450 °F. Additionally, what are the discharge pressures of the reactor feed pumps and condensate pumps?

4. Attachment 1, Section E.2(a)(3), Standby Liquid Control System

Are there any automatic starts to the standby liquid control system?

Enclosure