

November 7, 2006

Mr. Michael Kansler  
President  
Entergy Nuclear Operations, Inc.  
440 Hamilton Avenue  
White Plains, NY 10601-1839

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION FOR THE REVIEW OF THE  
PILGRIM NUCLEAR POWER STATION LICENSE RENEWAL APPLICATION  
(TAC MC9669)

Dear Mr. Kansler:

By letter dated January 25, 2006, Entergy Nuclear Operations, Inc., submitted an application pursuant to 10 CFR Part 54, to renew the operating license for Pilgrim Nuclear Power Station for review by the U.S. Nuclear Regulatory Commission (NRC). The NRC staff is reviewing the information contained in the license renewal application and has identified, in the enclosure, an area where additional information is needed to complete the review. Specifically, the enclosed request for additional information is from the recent NRC Region I Inspection team observations related to the containment inservice inspection program.

This issue was discussed with a member of your staff, Bryan Ford, and a mutually agreeable date for this response is within 30 days from the date of this letter. If you have any questions, please contact me at 301-415-1383 or via e-mail [phb1@nrc.gov](mailto:phb1@nrc.gov).

Sincerely,

**/RA/**

Perry Buckberg, Project Manager  
License Renewal Branch A  
Division of License Renewal  
Office of Nuclear Reactor Regulation

Docket No. 50-293

Enclosure:  
As Stated

cc w/encl: See next page

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OFFICE	PM:RLRA:DLR	PM:RLRC:DLR	LA:DLR	OGC	BC:REBB:DLR
NAME	PBuckberg	JDavis	SFigueroa	Uttal NLO	LLund
DATE	10/25/06	10/25/06	10/25/06	11/02/06	11/07/06

OFFICIAL RECORD COPY

Letter to Michael Kansler from Perry Buckberg dated: November 7, 2006

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PILGRIM NUCLEAR POWER STATION LICENSE RENEWAL APPLICATION  
(TAC MC9669)

**HARD COPY**

DLR R/F

**E-MAIL:**

RWeisman

GGalletti

DShum

SSmith (srs3)

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RSubbaratnam

SHoffman

SUttal

JShea

AWilliamson

JDavis

KChang

GWilson

CAnderson, Region 1

WRaymond, Region 1

NSheehan, Region 1

Pilgrim Nuclear Power Station

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Chairman  
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Director, Massachusetts Emergency  
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Plymouth Public Library  
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132 South Street  
Plymouth, MA 02360

Duxbury Free Library  
ATTN: Ms. Elaine Winquist  
77 Alden Street  
Duxbury, MA 02332

Kingston Public Library  
ATTN: Reference Librarian  
6 Green Street  
Kingston, MA 02364

Ms. Mary Lampert  
Duxbury Nuclear Advisory, Chair  
Pilgrim Watch, Director  
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Duxbury, MA 02332

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Kennett Square, PA 19348

**REQUEST FOR ADDITIONAL INFORMATION (RAI)  
PILGRIM NUCLEAR POWER STATION  
LICENSE RENEWAL APPLICATION SECTION  
B.1.16.1 CONTAINMENT INSERVICE INSPECTION**

**B.1.16.1 Containment Inservice Inspection (CII)**

**RAI B.1.16.1**

1. In the Pilgrim Nuclear Power Station (PNPS) aging management program B.1.16.1 of the license renewal application (LRA), the applicant stated: "CII inspections during RFO 15 (April 2005) did not reveal evidence of loss of material. Absence of degradation provides evidence that the program is effective for managing the aging effect." In addition, in the LRA, Amendment 2 (ML061710422) under, "Ongoing Actions to Prevent Drywell Corrosion," PNPS stated, "Functional checks are performed each refueling outage on the flow switch associated with the bellows seal leakage monitoring system." However, the recent NRC Region I inspection team observations indicated that:
  - a. The flow switch in the bellows rupture drain had failed its surveillance in December 2005, and has not been fixed or evaluated. In addition, the flow switch also had been failed in 1999.
  - b. Monitoring of other drains has been inconclusive and not well documented.
  - c. The torus room floor has had water on the floor on multiple occasions.

Please provide a detailed discussion, including record, corrective actions taken, and preventive action in response to this plant specific operating experience and discuss its impact on the aging management of potential loss of material due to corrosion in the inaccessible area of the Mark I steel containment drywell shell, including the sand pocket region for the period of extended operation.

ENCLOSURE