

September 8, 2006

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

SUBJECT: REQUESTS FOR ADDITIONAL INFORMATION FOR THE REVIEW OF THE  
PILGRIM NUCLEAR POWER STATION LICENSE RENEWAL APPLICATION  
(TAC NO. MC9669)

Dear Mr. Kansler:

By letter dated January 25, 2006, Entergy Nuclear Operations, Inc., submitted an application pursuant to Title 10 of the *Code of Federal Regulations* 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, areas where additional information is needed to complete the review. These requests for additional information address Sections 3.2 Engineered Safety Features.

These questions were 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 301-415-1478 or e-mail [RXS2@nrc.gov](mailto:RXS2@nrc.gov).

Sincerely,

**/RA/**

Ram Subbaratnam, 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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Ram Subbaratnam, Project Manager  
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OFFICE	PM:RLRA:DLR	LA:DLR	BC:REBB:DLR
NAME	RSubbaratnam	YEdmonds	LLund
DATE	9/ 6 /06	9/ 7 /06	09/ 8 /06

OFFICIAL RECORD COPY

Letter to Michael Kansler from Ram Subbaratnam dated: September 8, 2006

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

**HARD COPY**

DLR R/F

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Pilgrim Nuclear Power Station

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

Kingston Public Library  
ATTN: Reference Librarian  
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Ms. Mary Lampert  
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**REQUESTS FOR ADDITIONAL INFORMATION (RAIs)**  
**PILGRIM NUCLEAR POWER STATION**  
**LICENSE RENEWAL APPLICATION SECTIONS**  
**3.2 ENGINEERED SAFETY FEATURES SYSTEMS**

**3.2 Engineered Safety Features Systems**

**RAI 3.2.1** Piping of the Reactor Core Isolation Cooling System is subject to flow accelerated corrosion.

The applicant in LRA Table 3.2.1-19 - engineered safety feature (ESF) and Table 3.2.1 credit the plant-specific Periodic Surveillance and Preventive Maintenance Program for the management of loss of materials (wall thinning). The GALL report recommends using the Flow-Accelerated Corrosion Program, XI.M17, to manage wall thinning. The Periodic Surveillance and Preventive Maintenance Program provides for inspection for material loss (wall thinning) every 5 years but no Monitoring and Trending activities to predict areas of high wall thinning rates or for trending of thinning as does XI.M17. Please provide justification for not providing for monitoring and trending of wall thinning for reactor core isolation cooling (RCIC) piping.

**RAI 3.2.2**

The applicant in Table 3.2.1 Item 18 of the PNPS LRA stated that none of the ESF system components are within the scope of the BWR Stress Corrosion Cracking Program. Please provide the details that justify this statement.

ENCLOSURE