

July 31, 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 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, areas where additional information is needed to complete the review. These relate to Section 2.5 Scoping and Screening results: Electrical and Instrumentation and Control Systems.

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:  
Requests for Additional Information

cc w/encl: See next page

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OFFICE	PM:RLRA:DLR	LA::DLR	BC:RLRA:DLR
NAME	RSubbaratnam	IKing	LLund
DATE	7/ 25 /06	7/ 25 /06	7/ 27 /06

OFFICIAL RECORD COPY

Letter to Michael Kansler from Ram Subbaratnam dated July 31, 2006

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

**HARD COPY**

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Pilgrim Nuclear Power Station

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Duxbury, MA 02332

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Kingston, MA 02364

Ms. Mary Lampert  
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Pilgrim watch, Director  
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**REQUESTS FOR ADDITIONAL INFORMATION  
PILGRIM NUCLEAR POWER STATION  
LICENSE RENEWAL APPLICATION SECTION 2.5**

1. License renewal application (LRA) Section 2.5 states that the basic philosophy used in the electrical and instrumentation and control (I&C) components in the integrated plant assessment (IPA) was that components are included in the review unless they are specifically screened out. When used with the plant spaces approach, this method eliminates the need for unique identification of every component and its specific location. Also, it states that during the IPA, commodity groups and specific plant systems were eliminated from further review as the intended functions of commodity groups were examined. (1) Identify all the components that were screened out and provide a basis used for doing so. (2) Were all plant spaces evaluated under this methodology? If any spaces were excluded from evaluation, identify those spaces that were excluded and provide the reason why each space was excluded. (3) Identify commodity groups and specific plant systems that were eliminated from further review and provide a basis used for doing so.
2. LRA Section 2.5 states that fuse holders with metallic clamps are either part of a complex active assembly or part of circuits that perform no license renewal intended function. Where as in Table 2.5-1, fuse holder insulation material is identified as electrical and I&C components subject to aging management review (AMR). Confirm that Pilgrim Nuclear Power Station does not use fuse holders (with metallic clamps or bolted connection type) that are not part of a larger assembly, but support safety-related and non safety-related functions in which the failure of a fuse precludes a safety function from being accomplished [10 CFR Part 54.4(a)(1) and (a)(2)] and revise Table 2.5-1 accordingly.
3. LRA Section 2.5 states that electrical cables and connections subject to 10 CFR 50.49 environmental qualification (EQ) requirements are not subject to AMR since the components are replaced based on qualified life. Confirm that all electrical cables and connections subject to 10 CFR 50.49 EQ requirements are replaced based on qualified life (current licensing basis is 40 years).

Enclosure