



Entergy Nuclear Operations, Inc.  
Pilgrim Nuclear Power Station  
600 Rocky Hill Road  
Plymouth, MA 02360

Stephen J. Bethay  
Director, Nuclear Safety Assurance

April 8, 2010

U.S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, D.C. 20555

SUBJECT: Entergy Nuclear Operations, Inc.  
Pilgrim Nuclear Power Station  
Docket No.: 50-293  
License No.: DPR-35

Withdrawal of Exemption Requests from 10 CFR 50 Appendix R

Reference: (1) Entergy Letter, "Request for Exemption from 10 CFR 50 Appendix R Section III.G.2 to Allow Hot Shutdown Manual Operator Actions," dated March 6, 2009.

(2) NRC Letter, "Request for Additional Information for Exemption to Allow Hot Shutdown Manual Actions at Pilgrim Nuclear Power Station (TAC No. ME0831)," dated October 23, 2009.

(3) Entergy Letter, "Response to NRC RAI for Exemption to Allow Hot Shutdown Manual Actions at Pilgrim Nuclear Power Station" (TAC No. ME0831), dated December 8, 2009.

(4) Entergy Letter, "Request for Exemption from 10 CFR 50 Appendix R Section III.L.2.b, Performance Goal for Satisfying the Reactor Coolant Make-up Function, dated February 3, 2010.

LETTER NUMBER: 2-10.019

Dear Sir or Madam:

By Reference 1, Pilgrim Nuclear Power Station (Entergy) submitted an exemption request from 10 CFR 50 Appendix R Section III.G.2 to allow hot shutdown manual operator actions. By Reference 2, the NRC issued a request for additional information (RAI) applicable to the exemption.

Entergy responded to the RAI by Reference 3. This RAI response included the following: a) withdrawal of the exemptions applicable to 3 of the 4 fire zones addressed in Reference 1; b) the purpose of the exemption requested for Fire Zone 2.16 was changed from Appendix R Section III.G.2 to allow hot shutdown manual actions to Appendix R Section III.G.3 for lack of fire suppression in an alternate shutdown area; and c) an additional exemption from 10 CFR 50 Appendix R Section III.L.2.b will be provided for all fire areas relying on low pressure systems for reactor inventory control. Entergy provided this additional exemption in Reference 4.

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Subsequently, on February 25, 2010, the NRC technical staff and Entergy held a conference call to discuss the changes identified in the response to the RAI and the new exemption (Reference 4).

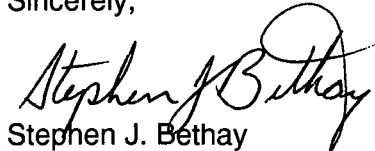
Based on the conference call and the changes to the initial exemption (Reference 1), Entergy has elected to withdraw the initial exemption. A revised exemption for Fire Zone 2.16 will be submitted.

In addition, Entergy withdraws the exemption submitted in Reference 4. Withdrawal of this exemption is based on the conference call discussion and information contained in NRC Staff Memorandum from Sunil Weerakkody, Chief Fire Protection and Special Projects Section, Subject "Resolution of Questions Concerning Compliance with Section III.L.2 of Appendix R," dated February 10, 2005 (ML050330417).

This letter contains no new commitments.

Please do not hesitate to contact Mr. Joseph R. Lynch, (508) 830-8403, if there are any questions regarding this submittal.

Sincerely,



Stephen J. Bethay  
Director, Nuclear Safety Assurance

cc: Mr. James S. Kim, Project Manager  
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