



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

February 11, 2009

U.S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, DC 20555-0001

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

10 CFR 50.46(a)(3)(ii) Annual Report for 2008

- REFERENCES:
1. Entergy Letter No. 2.07.086, 10 CFR 50.46(a)(3)(ii) Annual Report, dated November 20, 2007
 2. Global Nuclear Fuel, 10 CFR 50.46 Notification Letter 2006-02, dated December 1, 2006
 3. GE Nuclear Energy Report NEDC-31 852P, "SAFER/GESTR-LOCA Loss of Coolant Accident Analysis for Pilgrim Nuclear Power Station," Rev. 4, dated January 2008
 4. Supplemental Reload Licensing Report For Pilgrim Nuclear Power Station Reload 16, Cycle 17, Report No. 0000-0056-6173SRLR, Revision 0, Class 1, dated February 2007

LETTER NUMBER: 2.09.004

Dear Sir or Madam:

This letter submits the annual report required by 10 CFR 50.46(a)(3)(ii).

Reference 1 submitted the previous annual report required by 10 CFR 50.46 based on Reference 2.


For the current Cycle 17 Pilgrim analysis has reported no errors in the evaluation model for Pilgrim in the 2008 reporting period, based on References 3 and 4.

A001
NRR

This letter contains no commitments.

Please feel free to contact me, (508) 830-8403, if you have any questions regarding this subject.

Sincerely,



Joseph R. Lynch,
Licensing Manager

cc: Mr. James S. Kim, Project Manager
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Senior Resident Inspector
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