



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

June 29, 2005

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

- REFERENCES:
1. Entergy letter to U.S. NRC dated June 17, 2004, 10 CFR 50.46(a)(3)(ii) Annual Report
 2. Entergy letter to U.S. NRC dated October 21, 2004, 30-day 10 CFR 50.46 report
 3. Entergy letter to U.S. NRC dated November 22, 2004, Revised Core Operating Limits Report
 4. GE Nuclear Energy Report NEDC-31852P, "SAFER/GESTR-LOCA Loss of Coolant Accident Analysis for Pilgrim Nuclear Power Station," Rev. 3, dated February 2005.

LETTER NUMBER: 2.05.051

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.

Subsequent to Reference 1, Reference 2 submitted a 30-day report required by 10 CFR 50.46 that described an error in the Pilgrim LOCA analysis for GE14 fuel. Reference 2 described the error and initial actions taken to ensure the PCT of GE14 fuel would not exceed 2200°F in the event of a LOCA. Reference 3 submitted the revised Core Operating Limits Report, Revision 15B, that resulted from actions described in Reference 2.

There were no other reported changes or errors in the evaluation model for Pilgrim in the reporting period.

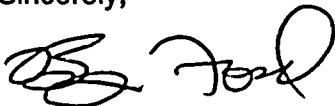
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Reference 4 documents the Pilgrim LOCA analysis for fuel cycle 16 that began with startup from the 2005 refueling outage. For fuel cycle 16, the licensing basis PCT for GE11 fuel and GE14 fuel is less than 2120°F and less than 2150°F, respectively. There are no other fuel types utilized for reactor operation during fuel cycle 16.

This letter contains no commitments.

Please feel free to me, (508) 830-8403, for any questions regarding this subject.

Sincerely,



Bryan Ford
Manager, Pilgrim Licensing

DWE/dm

cc: Mr. James Shea, Project Manager
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