



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

Charles M. Dugger
Vice President - Operations

February 10, 2003

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

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

Response to NRC Request for Additional Information
Appendix K Measurement Uncertainty Recovery – Power Uprate Request

LETTER NUMBER: 2.03.016

Dear Sir or Madam:

The NRC and Entergy conducted a teleconference on January 31, 2003, to discuss NRC questions related to the Entergy Power Uprate Request. Attachment 1 of this letter provides the requested information.

This response to the request for additional information does not change the no significant hazard conclusions previously submitted in Entergy Letter 2.02.048, dated July 5, 2002.

Should you have any questions or comments concerning this submittal, please contact Bryan Ford at (508) 830-8403.

I declare under penalty of perjury that the foregoing is true and correct. Executed on the 10th day of February 2003.

Sincerely,


Charles M. Dugger

JRH/dd

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Entergy Nuclear Operations, Inc.
Pilgrim Nuclear Power Station

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Attachment: 1. Response to NRC Request for Additional Information (1 page)

cc: Mr. Travis Tate, Project Manager
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ATTACHMENT 1

LETTER NUMBER 2.03.016

**Response to NRC Request for Additional Information
Appendix K Measurement Uncertainty Recovery-Power Uprate Request**

Response to NRC Request for Additional Information
Appendix K Measurement Uncertainty Recovery-Power Uprate Request

The current main steam line break, DBA-LOCA, and containment analyses were performed at 102% of CLTP (Current Licensed Thermal Power). Therefore, the equipment qualification envelope inside containment continues to be applicable for the TPO (Thermal Power Optimization) conditions. The normal radiation profiles both inside and outside containment and the accident temperature, pressure, and humidity environments outside containment were based on the CLTP. The changes resulting from TPO are small and in general bounded by the current qualification envelopes. Outliers are being resolved by reanalysis, refined radiation calculations (location-specific), or by slightly reduced qualified life. Consistent with commitment C2 in Entergy Letter 2.02.048, these outliers will be resolved prior to operating above the current licensed thermal power.