



## SAFEGUARDS INFORMATION

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

Michael A. Balduzzi  
Site Vice President

### Via Overnight Delivery

October 12, 2005

U. S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
11555 Rockville Pike  
Rockville, MD 20852-2738

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

Response to NRC Request for Additional Information In Regard to  
Guidance Regarding Mitigation Strategies

- REFERENCES:
1. NRC Request for Additional Information RE: February 2002, Order Section B.5.b for Pilgrim Station (Encrypted E-Mail)
  2. NRC letter from J. E. Dyer to Holders of Licenses for Operating Power Reactors as Listed in Enclosure 1, dated February 25, 2005, NRC Staff Guidance for Use in Achieving Satisfactory Compliance with February 25, 2002, Order Section B.5.b
  3. Entergy Letter No. 2.05.038, Response to NRC Guidance Regarding Mitigation Strategies, dated May 26, 2005

LETTER NUMBER: 2.05.068

Dear Sir or Madam:

On August 26, 2005, Entergy conducted a secure teleconference with NRC concerning Pilgrim's responses to NRC request for additional information (RAI), and the enhancements that have been implemented at the Pilgrim site related to Order Section B.5.b (References 1 and 2).

During that call, NRC requested that Entergy provide written responses to these RAIs. The attachment provides these responses to the RAIs clarifying our original submittal dated May 26, 2005 (Reference 3). A PGP encrypted copy of these responses has also been provided via e-mail.

Attachment 1 to this letter contains the responses to each RAI question.

This letter contains no new commitments.

NOTE: THE ATTACHMENT TO THIS LETTER CONTAINS "SAFEGUARDS INFORMATION" AND MUST BE PROTECTED ACCORDINGLY. UPON REMOVAL OF THIS ENCLOSURE, THIS LETTER AND THE ATTACHMENT IS "DECONTROLLED."

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If you have any questions, or require additional information, please contact Mr. Bryan Ford at (508) 830-8403.

Sincerely,

A handwritten signature in black ink, appearing to read "M.A.B. FOR M.A.B.", written over a large, stylized scribble.

Michael A. Balduzzi

MJG/dm

Attachment: - PNPS Response to NRC RAI

cc: Mr. Samuel J. Collins  
Regional Administrator, Region I  
U. S. Nuclear Regulatory Commission  
475 Allendale Road  
King of Prussia, PA 19406-1415

Mr. J. E. Dyer  
Director, Office of Nuclear Reactor  
Regulation  
One White Flint North  
11555 Rockville Pike  
Rockville, MD 20852-2738

Mr. James J. Shea, Project Manager  
Office of Nuclear Reactor Regulation  
Mail Stop 0-8B-1  
U.S. Nuclear Regulatory Commission  
1 White Flint North  
11555 Rockville Pike  
Rockville, MD 20852

Senior Resident Inspector  
Pilgrim Nuclear Power Station

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