



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

Stephen J. Bethay
Director, Nuclear Assessment

March 22, 2007

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 Regarding
Response to Generic Letter 2003-01 "Control Room Habitability"
(TAC No. MB9840)

- REFERENCE:
1. NRC Letter "Pilgrim Nuclear Power Station – Request for Additional Information RE Response to Generic Letter 2003-01, Control Room Habitability" (TAC No. MB9840), dated 1/26/07
 2. Entergy Letter 2.03.095, "Response to Generic Letter 2003-01, Control Room Habitability", dated 8/06/03
 3. NRC Regulatory Guide 1.197, "Demonstrating Control Room Envelope Integrity at Nuclear Power Reactors", dated May 2003

LETTER NUMBER: 2.07.015

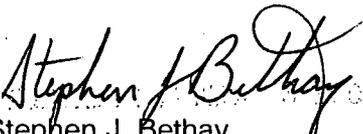
Dear Sir or Madam:

This letter provides the response to the NRC request for additional information (Reference 1) regarding Entergy Nuclear Operations, Inc. (ENO), Pilgrim Nuclear Power Station's (PNPS) response to NRC GL 2003-01, 'Control Room Habitability,' submitted to the NRC on August 6, 2003 (Reference 2). The additional information is provided in Attachment 1 to this letter.

Attachment 2 contains the commitments made in this letter.

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

Sincerely,


Stephen J. Bethay
Director, Nuclear Safety Assurance

MJG/dl

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- Attachment: 1. Entergy Response to NRC Request for Additional Information
Regarding Response to Generic Letter 2003-01, "Control Room Habitability"
(TAC No. MB9840)
2. Summary of Commitments

cc: Mr. James S. Kim, Project Manager
Plant Licensing Branch I-1
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Entergy Response to NRC Request for Additional Information Regarding Response to Generic Letter 2003-01, "Control Room Habitability" (TAC No. MB9840)

NRC RAI #1

Confirm that reactor control capability is maintained from either the control room or the alternate shutdown panel in the event of smoke (GL 2003-01, Item 1b).

Entergy Response

Smoke inside of the main control room (MCR) return ductwork activates a smoke detector in the Main Control Room Environmental Control System (MCRECS) exhaust ductwork which in turn automatically places the system into the purge mode. The Control Room Operator can also manually place the MCRECS in the purge mode. This alignment supplies the MCR with 100% outside fresh air and sends the exhaust airflow outside of the building.

During a fire or smoke event outside of the main control room that could compromise the Control Room Envelope (CRE) environment, if the fresh air intake draws smoke into the CRE the operators are directed by site procedures to place the Control Room ventilation in maximum recirculation mode and close one of the two control room supply dampers.

If there is fire damage to the MCR, reactor control capability can be transferred to one of the fourteen Alternate Shutdown Panels (ASPs) located throughout the plant. These panels contain the controls and switches necessary to bring the plant to a Cold Shutdown condition. The panels are designed such that MCR cables are bypassed when the panels are operated locally. Procedures provide instructions for shutting down and cooling the reactor from outside of the MCR.

Based on the above, reactor control capability is still maintained in the event of smoke.

NRC RAI #2

Explain how and at what frequency you confirm your control room envelope integrity and why this is adequate to demonstrate control room envelope integrity since you do not currently have a TS SR (GL 2003-01, Item 1c).

Entergy Response

PNPS recently confirmed the CRE integrity through performance of a tracer gas test in December 2005. PNPS will submit a License Amendment Request (LAR) to adopt the Control Room Habitability Program as outlined in TSTF 448, rev. 3 by November 30, 2007.

NRC RAI #3

Describe your plans to adopt TSTF – 448 at Pilgrim, including a commitment to submit a license amendment request (LAR) based on TSTF – 448.

Entergy Response

PNPS will submit a License Amendment Request (LAR) to adopt TSTF-448 rev. 3 by November 30, 2007.

Attachment 2 to Letter 2.07.015

Summary of Commitments

The following table identifies those actions committed to by Entergy in this document. Any other statements in this submittal are provided for information purposes and are not considered to be regulatory commitments.

List of Regulatory Commitments			
COMMITMENT	TYPE (Check one)		SCHEDULED COMPLETION DATE (If Required)
	ONE-TIME ACTION	CONTINUING COMPLIANCE	
Submit a License Amendment Request (LAR) to adopt TSTF-448 rev. 3	X		11/30/07