

November 16, 2007

LICENSEE: Entergy Nuclear Operations, Inc.

FACILITY: Vermont Yankee Nuclear Power Station

SUBJECT: SUMMARY OF TELEPHONE CONFERENCE CALL HELD ON  
SEPTEMBER 14, 2007, BETWEEN THE U.S. NUCLEAR REGULATORY  
COMMISSION AND ENTERGY NUCLEAR OPERATIONS, INC., CONCERNING  
A REQUEST FOR ADDITIONAL INFORMATION PERTAINING TO THE  
VERMONT YANKEE NUCLEAR POWER STATION LICENSE RENEWAL  
APPLICATION

The U.S. Nuclear Regulatory Commission (NRC or the staff) and representatives of Entergy Nuclear Operations, Inc., held a telephone conference call on September 14, 2007, to discuss and clarify the staff's request for additional information (RAI) concerning the Vermont Yankee Nuclear Power Station license renewal application. The telephone conference call was useful in clarifying the intent of the staff's RAI.

Enclosure 1 provides a listing of the participants and Enclosure 2 contains a listing of the RAI discussed with the applicant, including a brief description on the status of the item.

The applicant had an opportunity to comment on this summary.

*/RA/*

Jonathan G. Rowley, Project Manager  
Projects Branch 2  
Division of License Renewal  
Office of Nuclear Reactor Regulation

Docket No. 50-271

Enclosures:

1. List of Participants
2. List of Request for Additional Information

cc w/encls: See next page

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NAME	IKing	JRowley	RFranovich (JCaverly for)
DATE	11/15/07	11/16/07	11/17/07

OFFICIAL RECORD COPY

TELEPHONE CONFERENCE CALL  
VERMONT YANKEE NUCLEAR POWER STATION  
LICENSE RENEWAL APPLICATION

LIST OF PARTICIPANTS  
SEPTEMBER 14, 2007

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Jonathan Rowley

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David Mannai

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Ted Ivey

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Entergy

Entergy

Entergy

Entergy

REQUEST FOR ADDITIONAL INFORMATION  
VERMONT YANKEE NUCLEAR POWER STATION  
LICENSE RENEWAL APPLICATION

SEPTEMBER 14, 2007

The U.S. Nuclear Regulatory Commission (NRC or the staff) and representatives of Entergy Nuclear Operations, Inc., held a telephone conference call on September 14, 2007, to discuss and clarify the following request for additional information (RAI) concerning the Vermont Yankee Nuclear Power Station, license renewal application (LRA).

**RAI 2.4.4-2**

Please provide the results of the review performed to determine the impact of the circulating water piping, pipe supports, and west cooling tower cell (2-4) failures on license renewal scoping, screening, and applicable aging management programs. Please include the following:

- A. A conclusion and basis as to whether the scoping results documented in the LRA, which initially determined that nine of the eleven west cooling tower cells were not within the scope of license renewal, are still valid.
- B. If found that the west cooling tower cells are within the scope of license renewal, please provide the following:
  - I. The potential effect of a circulating water piping, pipe supports, or structural failure of the nonsafety-related west cooling tower cells (2-3 through 2-11), which were not included within the scope of license renewal, on safety-related systems, structures, and components (in accordance with 10 CFR 54.4(a)(2)). Include the potential effect of debris entering the deep basin beneath the cooling tower.
  - II. The details of any age related degradation which caused the failure of the circulating water piping, pipe supports, and west cooling tower cell. Include the results of the piping and pipe supports inspection related to the current failure and any previously performed, and a description of the identified aging mechanism(s).
- C. Any impact on the aging management programs for circulating water piping, pipe supports, or cooling tower cells.

**Discussion:** The applicant indicated that the question was clear. The applicant also used the call as an opportunity to brief the staff on the design and operation of the cooling towers. The applicant will incorporate the points discussed on the design and operation of the cooling towers in the response to the RAI.

Letter to Entergy Nuclear Operations, Inc. From J. Rowley Dated November 16, 2007

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APPLICATION

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