

October 12, 2006

LICENSEE: Entergy Nuclear Operations, Inc.

FACILITY: Vermont Yankee Nuclear Power Station

SUBJECT: SUMMARY OF A TELEPHONE CONFERENCE CALL HELD ON  
SEPTEMBER 14, 2006, BETWEEN THE U.S. NUCLEAR REGULATORY  
COMMISSION AND ENTERGY NUCLEAR OPERATIONS, INC., CONCERNING  
INFORMATION PERTAINING TO THE VERMONT YANKEE NUCLEAR  
POWER STATION LICENSE RENEWAL APPLICATION

The U.S. Nuclear Regulatory Commission staff (the staff) and representatives of Entergy Nuclear Operations, Inc., (ENO) held a telephone conference call on September 14, 2006, to discuss and clarify the staff's requests for additional information (RAIs) concerning the Vermont Yankee Nuclear Power Station (VYNPS) license renewal application (LRA). The conference call was useful in clarifying the staff's questions.

Enclosure 1 provides a listing of the conference call participants. Enclosure 2 contains a listing of the issues discussed with the applicant, including a brief discussion of the items' status.

The applicant had an opportunity to comment on this summary.

**/RA/**

Jonathan Rowley, Project Manager  
License Renewal Branch B  
Division of License Renewal  
Office of Nuclear Reactor Regulation

Docket No. 50-271

Enclosures:  
As stated

cc w/encls: See next page

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Jonathan Rowley, Project Manager  
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DATE	10/11/06	10/04/06	10/12/06

OFFICIAL RECORD COPY

Vermont Yankee Nuclear Power Station

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Note to Entergy Nuclear Operations, Inc., from Jonathan Rowley dated October 12, 2006

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POWER STATION LICENSE RENEWAL APPLICATION

**HARD COPY**

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**LIST OF PARTICIPANTS FOR TELEPHONE CONFERENCE CALL  
TO DISCUSS THE VERMONT YANKEE NUCLEAR POWER STATION  
LICENSE RENEWAL APPLICATION**

**September 14, 2006**

**PARTICIPANTS**

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**VERMONT YANKEE NUCLEAR POWER STATION  
LICENSE RENEWAL APPLICATION**

**September 14, 2006**

The U.S. Nuclear Regulatory Commission staff (the staff) and representatives of Entergy Nuclear Operations, Inc., held a telephone conference call on September 14, 2006, to discuss and clarify the staff's requests for additional information (RAIs) concerning the Vermont Yankee Nuclear Power Station (VYNPS) license renewal application (LRA). The following issues were discussed during the telephone conference call:

**RAI 3.5-1**

Table 3.5.2-1, Page 3.5-50, of the Vermont Yankee Nuclear Power Station (VYNPS) license renewal application (LRA) indicates that Containment Inservice Inspection, Subsection IWE (CII-IWE) and Containment Leak Rate aging management programs (AMPs) are used for bellows (reactor vessel and drywell). The letter C is listed under the column of notes corresponding to this component. The letter C indicates that the component is different from the Generic Aging Lessons Learned (GALL) Report line item. However, the staff finds that "bellows" is listed as a line item under the column of steel elements in the GALL Report. Provide your basis for stating that the bellows is different from the GALL Report line item.

**Discussion:** The applicant indicated to the staff that the RAI is the same or similar to Item #242 from the question and answer database of the aging management reviews and programs audit. The staff will review the database response to the item. The staff will remove the RAI if the response is found adequate.

**RAI 3.5-3**

LRA Table 3.5.2-1 indicates that CII-IWE and Containment Leak Rate AMPs are used for drywell head, drywell shell, drywell sump liner, drywell to torus vent line bellows, drywell to torus vent system, equipment hatch, personnel airlock, primary containment electric penetrations, primary containment mechanical penetrations (includes those with bellows), torus electrical penetration, torus manway, torus mechanical penetrations, torus ring girder, torus shell, and torus themowell. The letter E is listed under the column of notes corresponding to these components. The letter E indicates that each component is consistent with the GALL Report material, environment, and aging effect, but a different AMP is credited. However, the staff finds that the GALL Report requires American Society of Mechanical Engineers (ASME) Section XI, Subsection IWE as an AMP for managing these components. Provide your basis for stating that "a different AMP is credited." If your AMP is different from CII-IWE, state the differences.

**Discussion:** The applicant indicated to the staff that the RAI is the same or similar to Item #44 from the question and answer database of the aging management reviews and programs audit. The staff will review the database response to the item. The staff will remove the RAI if the response is found adequate.



#### **RAI 3.5-4**

LRA Table 3.5.2-1 indicates that metal fatigue AMP is used for torus shell time-limited aging analysis (TLAA). The letter E is listed under the column of notes corresponding to this component. The letter E indicates that the component is consistent with the GALL Report material, environment, and aging effect, but a different AMP is credited. Provide your basis for stating that “a different AMP is credited.” If your AMP is different from that of the GALL Report, state the differences.

**Discussion:** The applicant indicated to the staff that the RAI is the same or similar to Item #250 from the question and answer database of the aging management reviews and programs audit. The staff will review the database response to the item. The staff will remove the RAI if the response is found adequate.

#### **RAI 3.5-8**

B.1.8, Containment Leak Rate, states that “A QA [quality assurance] audit in 2001 revealed latent noncompliance with station administrative and Appendix J implementing procedures. An administrative procedure noncompliance created the potential for untimely review of industry OE [operating experience] relative to the program.” Describe the noncompliance and the corrective actions.

**Discussion:** The applicant indicated to the staff that the RAI is the same or similar to Item #15 from the question and answer database of the aging management reviews and programs audit. The staff will review the database response to the item. The staff will remove the RAI if the response is found adequate.

#### **RAI 3.5-10**

Table 3.5.2-1 indicates that the structures monitoring program will be used as an AMP for the drywell floor liner seal. However, GALL Report Vol. 2, Rev. 1, on this component states that Chapter XI.S1, ASME Section XI, Subsection IWE, should be used, and that leak tightness will be monitored by 10 CFR Part 50, Appendix J Leak Rate Tests for pressure boundary, seals and gaskets (including O-rings). Table 3.5.1 on Item 3.5.1-16, which includes the drywell floor liner seal, states that seals and gaskets are not included in the Containment Inservice Inspection Program at VYNPS. Provide the reason for not including the drywell floor liner seal in the Containment Inservice Inspection Program at VYNPS, and the differences between your structures monitoring program and ASME Section XI, Subsection IWE, in managing aging of the drywell floor liner seal.

**Discussion:** The applicant indicated to the staff that the RAI is the same or similar to Item #76 from the question and answer database of the aging management reviews and programs audit. The staff will review the database response to the item. The staff will remove the RAI if the response is found adequate.