

Jonathan Rowley - Nov 6 telecon summary

From: Jonathan Rowley
To: mhamer@entergy.com
Date: 11/22/2006 3:18 PM
Subject: Nov 6 telecon summary

PA-LR

Mike

Please review and provide any comments the VY staff may found appropriate.

I will be out of the office on Friday (11/24). I will contact you on Monday (11/27) for a LR status update.

LICENSEE: Entergy Nuclear Operations, Inc.
FACILITY: Vermont Yankee Nuclear Power Station
SUBJECT: SUMMARY OF A TELEPHONE CONFERENCE CALL HELD ON
NOVEMBER 6, 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., held a telephone conference call on November 6, 2006, to discuss and clarify the staff's requests for additional information concerning the Vermont Yankee Nuclear Station license renewal application. 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.

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

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

November 6, 2006

PARTICIPANTS

Jonathan Rowley
Rajender Auluck
Duc Nguyen
Kaihwa Hsu
Amar Pai
John Ma
Jon Dreyfuss
David Mannai
Alan Cox
Dave Lach
Michael Hamer
Michael Metel
Lynn Dewald
David Lewis

AFFILIATIONS

U.S. Nuclear Regulatory Commission (NRC)
NRC
NRC
NRC
NRC
NRC
Entergy Nuclear Operations, Inc. (ENO)
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ENO

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

November 6, 2006

The U.S. Nuclear Regulatory Commission staff (the staff) and representatives of Entergy Nuclear Operations, Inc., held a telephone conference call on November 6, 2006, to discuss and clarify the staff's requests for additional information (RAIs) and other issues concerning the Vermont Yankee Nuclear Power Station (VYNPS) license renewal application (LRA). The following issues were discussed during the telephone conference call:

RAI 3.5-7

Section 3.5.2.2.1.1 of the VYNPS LRA states that the below-grade environment is not aggressive. The staff requests that the applicant provide actual values of pH, chlorides, and sulfates in the groundwater/soil adjacent to structures in order to verify the claim of a non-aggressive below-grade environment.

Discussion: The staff requested clarification of the applicant's response in their October 31, 2006, letter (License Renewal Application, Amendment 19) to this RAI. The staff requested the applicant provide additional data in order for the staff to determine a trend which could help confirm whether or not the groundwater is aggressive. The applicant stated that data since 2003 will be provided. The applicant will also provide information on the distance between each sampling well.

RAI 3.3.1-68-K-03

Beginning on Page 3.3-206 of the VYNPS LRA, loss of material from carbon steel components is managed using One-Time Inspection (OTI). Please justify the use of OTI for carbon steel exposed to raw water as opposed to a periodic inspection.

Discussion: The staff requested clarification of the applicant's response in their October 31, 2006, letter (License Renewal Application, Amendment 19) to this RAI. The staff disagreed with the applicant's assertion that carbon steel is not expected to experience significant aging effects in an environment that contains dissolved oxygen. The staff suggested that the statement be removed from the response. The applicant will take the staff's suggestion into consideration and adjust the response accordingly.

RAI 3.6.2.2-N-08-2

Electrical components for the VHS include 2 black-start turbine generators, cables and buses for power transmission, instrumentation and control components and their associated cables

Enclosure 2

and connections. The audit team found that there is an aging management program (AMP) for underground cables from Vernon tie breaker routed to Vermont Yankee. However, there appears to be no AMPs for electrical components from the tie breaker to VHS generators. Please describe how aging effects on the rest of the electrical components will be managed during the period of extended operation.

Discussion: The staff requested clarification of the applicant's response in their October 20, 2006, letter (License Renewal Application, Amendment 17) to this RAI. The applicant cited redundancy not required by regulations as justification for not having an aging management program. The staff's position is that redundancy and reliability can not be used as justification for omitting an aging management program. A technical basis for not requiring an aging management program is needed. The staff request the applicant provide a technical basis if they choose to hold the position of not requiring an aging management program for the underground cables at the VHS. The applicant is also to provide thermography schedule, results, and process performed on the VHS switchyard.

Additional issues:

The applicant sent revision 3 of the license renewal commitment list in its October 20, 2006, letter (License Renewal Application, Amendment 17). The staff noticed that commitment 29 on the list required additional wording to be acceptable.

Discussion: The applicant remarked that revision 4 of the list will contain the additional wording discussed.

The applicant submitted its Bolting Integrity Program in its October 17, 2006, letter (License Renewal Application, Amendment 16). The staff requested verification that the program was going to be credited for the loss of pre-load aging effect.

Discussion: The applicant will provide an answer in a forth coming letter.

Enclosure 2