

August 3, 2006

Mr. Michael Kansler
President
Entergy Nuclear Operations, Inc.
440 Hamilton Avenue
White Plains, NY 10601-1839

SUBJECT: REQUESTS FOR ADDITIONAL INFORMATION FOR THE REVIEW OF
VERMONT YANKEE NUCLEAR POWER STATION LICENSE RENEWAL
APPLICATION

Dear Mr. Kansler:

By letter dated January 25, 2006, as supplemented by letter dated March 15, 2006, the U.S. Nuclear Regulatory Commission (NRC) received the Entergy Nuclear Operations, Inc. application for renewal of Operating License No. DPR-28 for the Vermont Yankee Nuclear Power Station (VYNPS). The NRC staff is reviewing the information contained in the license renewal application and has identified, in the enclosure, areas where additional information is needed to complete the review. Specifically, the enclosed requests for additional information are from Section 2.5, "Scoping and Screening Results: Electrical and Instrumentation and Control Systems," of the VYNPS license renewal application.

Based on discussions with Mr. Jim DeVincentis of your staff, a mutually agreeable date for your response is within 30 days of the date of this letter. If you have any questions regarding this letter or if circumstances result in your need to revise the response date, please contact me at 301-415-4053 or by e-mail at jgr@nrc.gov.

Sincerely,

/RA/

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

Docket No. 50-271

Enclosure:
Requests for Additional Information

cc w/encl: See next page

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Letter to Michael Kansler from Jonathan Rowley dated August 3, 2006

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VERMONT YANKEE NUCLEAR POWER STATION LICENSE RENEWAL
APPLICATION

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Vermont Yankee Nuclear Power Station

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VERMONT YANKEE NUCLEAR POWER STATION
LICENSE RENEWAL APPLICATION
REQUESTS FOR ADDITIONAL INFORMATION (RAIs)

RAI 2.5-1

The Electrical and Instrumentation and Control Systems within the scope of license renewal are listed in Table 2.2-1b of the license renewal application (LRA). Please provide brief descriptions of the systems explaining how each system serves one or more functions listed in 10 *Code of Federal Regulations* (CFR) 54.4(a).

RAI 2.5-2

In Section 2.5 (Page 2.5-2) of the LRA, it is stated that the Vermont Yankee Nuclear Power Station uses the Vernon Hydroelectric Station as an alternate alternating current (AAC) source to satisfy the requirements of 10 CFR 50.63 for response to a station blackout. Please provide a sketch similar to Figure 2.5-1 in the LRA illustrating the AAC source and explain which parts of the AAC source are subject to an aging managing review (AMR) based on 10 CFR 54.4(a)(3). Also, describe the offsite power recovery paths from switchyard to the onsite distribution system which are in the license renewal scope.

RAI 2.5-3

In Section 2.5 (Page 2.5-3) of the LRA, it is stated that the commodity groups of metal enclosed bus connections, enclosure assemblies, and insulators were evaluated and do not support a license renewal function. Please provide brief descriptions of these commodity groups, and explain why an AMR is not necessary for these commodity groups providing reference to 10 CFR 54.21(a).

RAI 2.5-4

Generic Aging Lessons Learned (GALL) Report aging management program XI.E6, "Electrical Cable Connections not Subject to 10 CFR 50.49 Environmental Qualification Requirements," recommends an aging managing program for cable connections (metallic portion). Please provide justification, in detail, why there are no aging effects requiring management for cable connections.