

June 7, 2006

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

SUBJECT: REQUEST 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 the NRC Project Team that performed the audits at VYNPS.

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 June 7, 2006

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VERMONT YANKEE NUCLEAR POWER STATION LICENSE RENEWAL
APPLICATION

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

RAI 3.6.2.2-N-08

10 CFR 54.4 (a)(3) requires, in part, that all systems, structures, and components (SSCs) relied on in safety analyses or plant evaluation to perform a function that demonstrates compliance with the Commission's regulations for station blackout (10 CFR 50.63) are within the scope of license renewal. Vernon Hydroelectric Station has been designated as the station blackout (SBO) alternate alternating current source and is used to meet SBO requirements of 10 CFR 50.63. Are all SSCs (including electrical, mechanical, structural, and civil) associated with the Vernon Hydroelectric Station included in the scope of license renewal? If they are not, please explain why not. If they are, please provide an aging management review for long-lived, passive SSCs associated with the hydroelectric station.

RAI 3.6.2.2-N-01

In the license renewal application (LRA) Table 3.6.2-1, under cable connections (metallic parts), you have stated that there are no aging effects requiring management and no aging management program (AMP) is required. Further, in LRA Table 3.6-1, under discussion of cable connection metallic parts, you have stated that cable connections outside of active devices are taped or sleeved for protection; and operating experience with metallic parts of electrical cable connections at VYNPS indicated no aging effects requiring management. Electrical cable connections (metallic parts) are subject to the following aging stressors: thermal cycling, ohmic heating, electrical transients, vibration, chemical contamination, corrosion, and oxidation. NUREG-1801, Revision 1, AMP XI.E6, "Electrical Cable Connection not Subject to 10 CFR 50.49 Environmental Qualification Requirements," specifies that connections associated with cables within the scope of license renewal are part of this program, regardless of their association with active or passive components. Please provide a basis document including an AMP with the ten elements for cable connections or provide a justification for why an AMP is not necessary.