



Entergy Nuclear Operations, Inc.
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December 31, 2008
BVY 08-090

ATTN: Document Control Desk
U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001

Reference: 1. Letter, Entergy to USNRC, "Vermont Yankee Nuclear Power Station, License No. DPR-28, License Renewal Application," BVY 06-009, dated January 25, 2006.

**Subject: Vermont Yankee Nuclear Power Station
License No. DPR-28 (Docket No. 50-271)
License Renewal Application Annual Update**

Dear Sir or Madam,

On January 25, 2006, Entergy Nuclear Operations, Inc. and Entergy Nuclear Vermont Yankee, LLC (Entergy) submitted the License Renewal Application (LRA) for the Vermont Yankee Nuclear Power Station (VYNPS) as indicated by Reference 1.

During the NRC review of the VYNPS LRA, Entergy is required by 10CFR54.21(b) to report changes to the current licensing basis (CLB) that materially affect the content of the VYNPS LRA, including the Safety Analysis Report (SAR) supplement. This information is required to be submitted annually and at least three months prior to the scheduled completion of the NRC review. In accordance with the requirements of 10 CFR 54.21(b), Entergy has completed a review and LRA impacts are discussed in Attachment 1 of this letter.

There are no new regulatory commitments being made in this letter.

Should you have any questions or require additional information concerning this submittal, please contact Mr. David J. Mannai at (802) 451-3304.

I declare under penalty of perjury, that the foregoing is true and accurate.
Executed on December 31, 2008

Sincerely,

A handwritten signature in black ink, appearing to read "Michael J. Colomb".

Michael J. Colomb
Site Vice President
Vermont Yankee Nuclear Power Station

Attachments (1)
cc listing (next page)

A117
LRRB

cc: Mr. James Dyer, Director
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Attachment 1

Vermont Yankee Nuclear Power Station

Licensing Renewal Application Annual Update Information

The review performed as part of the annual update identified the following impacts to the LRA:

1. The Condensate Demineralizer System description was revised in the UFSAR due to extended power uprate. The aging management review results provided in LRA Table 3.3.2-13-4, Condensate Demineralizer System – Nonsafety-Related Components affecting Safety-Related Systems were not affected. To clarify the condensate demineralizer system description, LRA Section 2.3.3.13.2 is revised as follows. (strikeout text deleted, underlined text added)

Condensate Demineralizer

The purpose of the CD system is to maintain the required purity of feedwater supplied to the reactor. The system functions to minimize corrosion product input to the nuclear system so as not to affect fuel performance, accessibility of nuclear system components, or the capacity required of the reactor water cleanup system. The CD system protects the nuclear system against the entry of foreign materials such as could occur due to condenser leaks.

The system uses finely ground, mixed ion-exchange resins deposited upon the tubular elements of pressure precoat type filters (the filter-demineralizer units). The condensate demineralizers consist of five filter-demineralizer units (~~including an installed spare~~) operating in parallel. All are normally operated ~~but are sized such that four units can support operation~~. The system and auxiliaries include a precoat system, a body feed system, a backwash system, holding pumps and effluent strainers for each unit, and associated piping and valves.

2. Carbon steel piping and valves supplying service water to nonsafety-related refueling floor chillers were replaced with copper alloy components. The nonsafety-related system components were evaluated in LRA Table 3.3.2-13-42, Service Water System – Nonsafety-Related Components Affecting Safety-Related Systems. New component type-material-environment combinations were added to the Nonsafety-Related portion of the System. The identical component type-material-environment-program combinations are in LRA Table 3.3.2-2, Service Water. To accurately account for the configuration change, the following line items are added to LRA Table 3.3.2-13-42, Service Water System – Nonsafety-Related Components Affecting Safety-Related Systems.

Piping	Pressure boundary	Copper alloy <15% Zn	Condensation (ext)	Loss of material	System Walkdown	VII.F1-16 (A-46)	3.3.1-25	E
Piping	Pressure boundary	Copper alloy <15% Zn	Raw water (int)	Loss of material	Service Water Integrity	VII.C1-9 (A-44)	3.3.1-81	B
Valve body	Pressure boundary	Copper alloy >15% Zn	Condensation (ext)	Loss of material	System Walkdown	VII.F1-16 (A-46)	3.3.1-25	E
Valve body	Pressure boundary	Copper alloy >15% Zn	Raw water (int)	Loss of material	Service Water Integrity	VII.C1-9 (A-44)	3.3.1-81	B
Valve body	Pressure boundary	Copper alloy >15% Zn	Raw water (int)	Loss of material	Selective Leaching	VII.C1-10 (A-47)	3.3.1-84	A



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