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January 8, 2009

Alex S. Karlin, Esq., Chairman
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Washington, D.C. 20555-0001

Administrative Judge
Dr. William H. Reed
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Administrative Judge
Dr. Richard E. Wardwell
Atomic Safety and Licensing Board
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Washington, D.C. 20555-0001

DOCKETED
USNRC

January 8, 2009 (11:21am)

OFFICE OF SECRETARY
RULEMAKINGS AND
ADJUDICATIONS STAFF

In the Matter of
Entergy Nuclear Vermont Yankee, LLC, and Entergy Nuclear Operations, Inc.
(Vermont Yankee Nuclear Power Station)
Docket No. 50-271-LR; ASLBP No. 06-849-03-LR

Gentlemen:

In accordance with the provisions of the Board's Partial Initial Decision (Ruling on Contentions 2A, 2B, 3, and 4), LBP-08-25, 68 N.R.C. ____ (Nov. 24, 2008), slip op. at 67, Entergy has performed confirmatory environmentally assisted fatigue (CUF_{en}) analyses on the Core Spray (CS) nozzle and the reactor pressure vessel recirculation outlet (RO) nozzle at the Vermont Yankee Nuclear Power Station. The results of these analyses are presented in the following Structural Integrity Associates, Inc. (SIA) calculations: Calculation 0801038.301, Revision 0, "Design Inputs and Methodology for ASME Code Fatigue Usage Analysis of Reactor Core Spray Nozzle;" Calculation No. 0801038.302, Revision 0, "Stress Analysis of Reactor Core Spray Nozzle;" Calculation No. 0801038.303, Revision 0, "Fatigue Analysis of Core Spray Nozzle;" Calculation No. 0801038.304, Revision 0, "Design Inputs and Methodology for ASME Code Fatigue Usage Analysis of Reactor Recirculation Outlet Nozzle;" Calculation No. 0801038.305, Revision 0, "Stress Analysis of Reactor Recirculation Outlet Nozzle;" and Calculation No. 0801038.306, Revision 0, "Fatigue Analysis of Recirculation Outlet Nozzle."

January 8, 2009

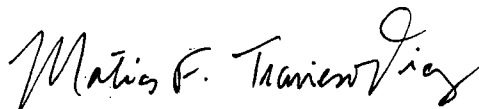
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Entergy is serving at this time electronic copies of those analyses on the parties to the above captioned proceeding. Hard copies are also being sent today by overnight mail to the NRC Staff, the New England Coalition and the Vermont Department of Public Service.

The methodology applied in the referenced CS and RO confirmatory analyses is in accordance with the approach used in the SIA calculations for the feedwater nozzle that were introduced into evidence in this proceeding, and contains no significantly different scientific or technical judgments from those used in the feedwater nozzle calculations. See Calculation 0801038.301 at 4, n.1 and Calculation 0801038.304 at 4, n.1.

As set forth in the referenced calculations, the limiting calculated CUF_{en} for the CS nozzle is 0.140, a value that is less than unity and is therefore acceptable. Calculation 0801038.303 at 7. Also, the limiting calculated CUF_{en} for the RO nozzle is 0.119, a value that is less than unity and is therefore acceptable. Calculation 0801038.306 at 7.

Sincerely,

A handwritten signature in black ink, reading "Matias F. Travieso-Diaz". The signature is fluid and cursive, with the first name "Matias" being the most prominent.

Matias Travieso-Diaz
Counsel for Entergy

cc: Service List

CERTIFICATE OF SERVICE

I hereby certify that copies of the foregoing letter were served on the persons listed below by deposit in the U.S. Mail, first class, postage prepaid; where indicated by an asterisk, by electronic mail; and where indicated by a double asterisk, by both overnight and electronic mail, this 8th day of January, 2009.

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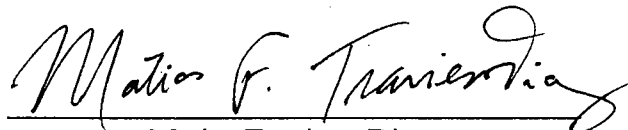
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