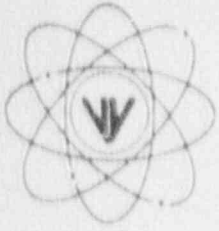


VERMONT YANKEE NUCLEAR POWER CORPORATION



Ferry Road, Brattleboro, VT 05301-7002

REPLY TO
ENGINEERING OFFICE
580 MAIN STREET
BOLTON, MA 01740
(508) 779-6711

January 9, 1991
BVY 91 - 05

United States Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555

References: [Listed on Page 2]

Subject: Response to Second Request for Additional Information on the Use of RELAP5YA

Dear Sir:

By Reference (o), USNRC approved the heat transfer correlations in the RELAP5YA program for use in best estimate Loss of Coolant Accident (LOCA) analyses. By Reference (p), Vermont Yankee provided supplementary information pertaining to our RELAP5YA LOCA analysis methodology for the purpose of justifying the use of the program in Evaluation Methodology analyses for Vermont Yankee.

In Reference (q), USNRC requested additional information in order to complete its evaluation. Vermont Yankee responded to this request via Reference (r). In Reference (s), USNRC made a second request for additional information, and requested a response within 30 days from letter receipt. Reference (s) was received by Vermont Yankee on December 10, 1990.

Enclosed please find our response to your second request for additional information per Reference (s). The enclosed information is considered proprietary and, in accordance with 10CFR2.790(b)(1), an affidavit attesting to the proprietary nature of the enclosure is attached.

We trust that the enclosed information is responsive to your request and proves sufficient for you to complete your review; however, should additional information be required, please contact this office.

Very truly yours,

VERMONT YANKEE NUCLEAR POWER CORPORATION

Leonard A. Tremblay, Jr.
Senior Licensing Engineer

WITHHOLD ENCLOSURE
FROM PUBLIC DISCLOSURE

9101150367 910109
PDR ADOCK 05000271
PDR

AP01
11

cc: USNRC Region I Administrator (without Enclosure)
USNRC Resident Inspector - VYNPS (without Enclosure)
USNRC Project Manager - VYNPS (with Enclosure)

- References:
- a. License No. DPR-28 (Docket No. 50-271)
 - b. Letter, YAEC to USNRC, FVY 83-4, dated January 14, 1983
 - c. Letter, USNRC to MYAPCO, NMY 84-91, dated May 11, 1984.
 - d. Letter, USNRC to YAEC, dated January 3, 1985
 - e. Letter, MYAPCO to USNRC, dated January 31, 1985
 - f. Letter, YAEC to USNRC, FVY 85-18, dated March 1, 1985
 - g. Letter, USNRC to VYNPC, NVY 85-48, dated March 14, 1985
 - h. Letter, YAEC to USNRC, FYR 85-48, dated April 30, 1985
 - i. Letter, YAEC to USNRC, FYR 85-72, dated July 1, 1985
 - j. Letter, YAEC to USNRC, FYR 85-87, dated August 15, 1985
 - k. Letter, VYNPC to USNRC, FVY 85-98, dated October 22, 1985
 - l. Letter, YAEC to USNRC, FYR 85-121, dated November 1, 1985
 - m. Letter, VYNPC to USNRC, FVY 85-122, dated December 31, 1985
 - n. Letter, VYNPC to USNRC, FVY 86-61, dated June 27, 1986
 - o. Letter, USNRC to VYNPC, NVY 87-136, dated August 25, 1987
 - p. Letter, VYNPC to USNRC, BVY 89-91, dated October 6, 1989
 - q. Letter, USNRC to VYNPC, NVY 90-108, dated June 7, 1990
 - r. Letter, VYNPC to USNRC, BVY 90-087, dated August 28, 1990
 - s. Letter, USNRC to VYNPC, NVY 90-214, dated December 5, 1990

WITHHOLD ENCLOSURE
FROM PUBLIC DISCLOSURE

AFFIDAVIT PURSUANT
TO 10CFR2.790

Yankee Atomic Electric Company)
Nuclear Services Division)
Commonwealth of Massachusetts)
Worcester County) SS:

I, S. P. Schultz, depose and say that I am the Vice President of Yankee Atomic Electric Company, duly authorized to make this affidavit, and have reviewed or caused to have reviewed the information which is identified as proprietary. I am submitting this affidavit in accordance with the provisions of 10CFR2.790 of the Commission's regulations for withholding this information.

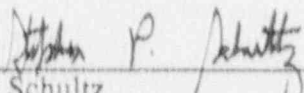
The information for which proprietary treatment is sought is contained in the enclosures to our letter, Vermont Yankee Nuclear Power Corporation to U. S. Nuclear Regulatory Commission, dated January 9, 1991.

Pursuant to the provisions of Paragraph (b) (4) of Section 2.790 of the Commission's regulations, the following is furnished for consideration by the Commission in determining whether the information sought to be withheld from public disclosure, included in the above referenced document, should be withheld.

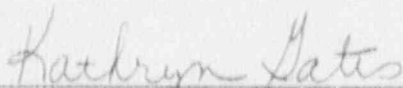
1. The material contained in this transmittal was obtained at considerable expense to Yankee Atomic Electric Company and Vermont Yankee Nuclear Power Corporation and the release of which would seriously affect our competitive position.
2. The material contained in this transmittal is of the type customarily held in confidence and not customarily disclosed to the public.
3. This information is being transmitted to the Commission in confidence under the provisions of 10CFR2.790 with the understanding that it is to be received in confidence by the Commission.
4. This information is for Commission internal use only and should not be released to persons or organizations outside the Directorate of Regulation and the ACRS without prior approval of Yankee Atomic Electric Company. Should it become necessary to release this information to such persons as part of the review procedure, please contact Yankee Atomic Electric Company.

Further deponent sayeth not.

Sworn to before me this
9th day of January, 1991



S. P. Schultz
Vice President



Kathryn Gates - Notary Public
My Commission Expires January 24, 1997

