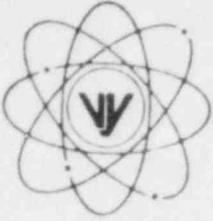


VERMONT YANKEE NUCLEAR POWER CORPORATION



RD 5, Box 169, Ferry Road, Brattleboro, VT 05301

2.C.2.1
FVY 82-103

REPLY TO:

ENGINEERING OFFICE

1671 WORCESTER ROAD
FRAMINGHAM, MASSACHUSETTS 01701

TELEPHONE 617-872-8100

September 14, 1982

United States Nuclear Regulatory Commission
Washington, D. C. 20555

Attention: Office of Nuclear Reactor Regulation
Mr. Domenic B. Vassallo, Chief
Operating Reactors Branch No. 2
Division of Licensing

References: (a) License No. DPR-28 (Docket No. 50-271)
(b) Letter, USNRC to VYNPC, NVY 82-60, dated May 3, 1982
(c) Letter, VYNPC to USNRC, FVY 82-74, dated June 22, 1982
(d) Letter, VYNPC to USNRC, WVY 79-05, Proposed Change No. 76,
dated January 9, 1979
(e) Letter, USNRC to VYNPC, dated November 29, 1978

Subject: Operation of Purge and Vent Valves Under Inerted Conditions

Dear Sir:

Reference (b) requested that Vermont Yankee provide you with an estimated maximum number of hours per year that we expect to purge/vent, as well as the estimated amount of radioactivity release during the time required to close the purge and vent valves following a LOCA. In Reference (c), we informed you that the requested analysis would be performed, and that any limitation on purge/vent operation would be based on the results of that analysis.

The purpose of this letter is to inform you that we have completed a conservative analysis encompassing a spectrum of break sizes. The results indicate that even under conservatively postulated conditions, the on-line purge contribution from the purge and vent valves will be a small fraction of the total LOCA dose, with the total LOCA dose remaining well below the limits of 10CFR Part 100. Based on these findings, we have determined that there is no need to restrict the number of hours during which the purge and vent valves are allowed to remain open.

Pending resolution of the remaining issues with regard to limiting the operation of purge and vent valves, Vermont Yankee will continue to administratively insure that these valves are normally maintained in a closed position unless allowed to be open per Station Technical Specifications. In the near future we will submit an additional letter summarizing Vermont Yankee's position on these remaining issues, including disposition of Proposed

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P PDR

VERMONT YANKEE NUCLEAR POWER CORPORATION

United States Nuclear Regulatory Commission
Attention: Mr. Domenic B. Vassallo

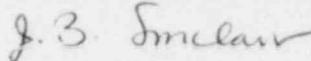
September 14, 1982
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Change No. 76 to the Vermont Yankee Technical Specifications. This proposed change was submitted to the NRC via Reference (d) in response to NRC concerns documented in Reference (e).

We trust that this information will be satisfactory; however, should you have any questions, please contact us.

Very truly yours,

VERMONT YANKEE NUCLEAR POWER CORPORATION



J. B. Sinclair
Licensing Engineer

JBS:dad