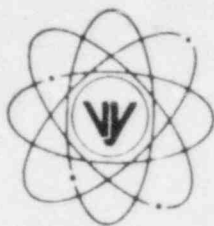


# VERMONT YANKEE NUCLEAR POWER CORPORATION



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

2.C.2.1

FVY 83-36

REPLY TO:

ENGINEERING OFFICE

1671 WORCESTER ROAD

FRAMINGHAM, MASSACHUSETTS 01701

TELEPHONE 617-872-8100

May 11, 1983

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 83-23, Generic Letter 83-08,  
dated February 2, 1983

Subject: Modification of Vacuum Breakers on Mark I Containments

Dear Sir:

Reference (b) requested that we provide you with the results of the plant unique calculations which provide the justification for the as-built acceptability of our vacuum breakers. The requested justification is provided in the enclosed report, "Improved Dynamic Vacuum Breaker Valve Response for Vermont Yankee". In addition, you should note that in 1980 we changed the valve disc from a cast aluminum disc to a tougher wrought aluminum disc material, thus providing improved resistance to cyclic loading.

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

Very truly yours,

VERMONT YANKEE NUCLEAR POWER CORPORATION

*J. B. Sinclair*

J. B. Sinclair  
Licensing Engineer

JBS/dd

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