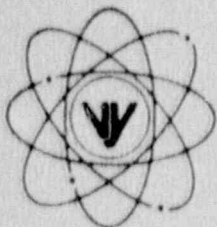


# VERMONT YANKEE NUCLEAR POWER CORPORATION



Ferry Road, Brattleboro, VT 05301-7002

BVY 90-050  
REPLY TO  
ENGINEERING OFFICE  
580 MAIN STREET  
BOLTON, MA 01740  
(508) 779-6711

April 27, 1990

U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Attention: Document Control Desk

References: a) License No. DPR-28 (Docket No. 50-271)  
b) Letter, USNRC to All Holders of an Operating License or  
Construction Permit for Boiling Water Reactors (BWRs),  
NVY 90-056, USNRC Bulletin No. 90-02, dated 3/20/90

Dear Sir:

Subject: Vermont Yankee Response to NRC Bulletin 90-02:  
Loss of Thermal Margin Caused by Channel Box Bow

NRC Bulletin No. 90-02, Loss of Thermal Margin Caused by Channel Box Bow [Reference b)] required utilities with operating licenses for BWR's that use channel boxes for a second fuel bundle lifetime to report the number of such channels and their disposition in the core. In addition, if such channels are used, describe the methods and the associated data base used to account for the effects of channel box bow during the second bundle lifetime to ensure conformance with CPR operating limits.

Vermont Yankee does not presently use channel boxes incore for longer than one bundle lifetime. Further, any future reuse of channels for a second-bundle lifetime by Vermont Yankee would be evaluated to ensure that the effects of channel box bow on the critical power (CPR) are properly taken into account.

We trust this information will meet the requirements of NRC Bulletin 90-02 by assuring that the effects of channel box bow on CPR limits are accounted for at Vermont Yankee. Should you have any questions on this matter, please do not hesitate to contact us.

Very truly yours,

VERMONT YANKEE NUCLEAR POWER CORPORATION

Warren P. Murphy  
Vice President and Manager of Operations

/dm

cc: USNRC Regional Administrator, Region I  
USNRC Resident Inspector, VYNPS  
USNRC Project Manager, VYNPS

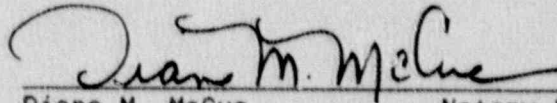
9005030285 900427  
PDR ADOCK 05000271  
Q PDC

IE38  
10

U.S. Nuclear Regulatory Commission  
April 27, 1990  
Page 2

STATE OF VERMONT)  
                                  )ss  
WINDHAM COUNTY )

Then personally appeared before me, Warren P. Murphy, who, being duly sworn, did state that he is Vice President and Manager of Operations of Vermont Yankee Nuclear Power Corporation, that he is duly authorized to execute and file the foregoing document in the name and on the behalf of Vermont Yankee Nuclear Power Corporation and that the statements therein are true to the best of his knowledge and belief.



Diane M. McCue                      Notary Public  
My Commission Expires February 10, 1991



/dm