

October 26, 1998

Mr. Gregory A. Maret  
Director of Operations  
Vermont Yankee Nuclear Power Corporation  
185 Old Ferry Road  
Brattleboro, VT 05301

SUBJECT: JET PUMP RISER CIRCUMFERENTIAL WELD INSPECTIONS AT VERMONT  
YANKEE NUCLEAR POWER STATION (TAC NO. MA1681)

Dear Mr. Maret:

By letter dated May 4, 1998, you provided the results of the jet pump riser circumferential weld inspections conducted during the 1998 refueling outage. Additional information was provided by letter dated July 30, 1998. Ultrasonic inspections identified a flaw indication in four of the RS-1 (thermal sleeve to riser elbow) welds and your evaluation concluded that jet pump riser integrity and performance are not compromised.

We have completed our review of the weld inspection information that you provided and concluded that the flaw evaluation meets the rules of the American Society of Mechanical Engineers Code. Since the predicted flaw size at the end of one fuel cycle is less than the critical flaw size with an adequate margin, we agree with your assessment that Vermont Yankee can be operated without repair for one fuel cycle. We understand that you plan to reinspect these flaws during the next refueling outage and to further evaluate the flaws at that time.

Our safety evaluation is enclosed. This completes our effort for TAC No. MA1681. If you should have any questions regarding this request, please contact me at (301) 415-1475.

Sincerely,  
Original signed by Alan Wang for  
Richard P. Croteau, Project Manager  
Project Directorate I-3  
Division of Reactor Projects - I/II  
Office of Nuclear Reactor Regulation

Docket No. 50-271  
Enclosure: Safety Evaluation  
cc w/encl: See next page

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G. Maret

Vermont Yankee Nuclear Power Station

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