

YANKEE ATOMIC ELECTRIC COMPANY



20 TURNPIKE ROAD, WESTBOROUGH, MASSACHUSETTS 01581
TELEPHONE 617 366-9011

January 15, 1973

United States Atomic Energy Commission
970 Broad Street
Newark, New Jersey 07102

Attention: Directorate of Regulatory Operation Region I

References: a) Operating License No. DPR-3 (Docket No. 50-29)
b) USAEC letter to Yankee dated June 22, 1972
c) Yankee letter to USAEC dated July 21, 1972
d) Yankee letter to USAEC dated September 19, 1972
e) Yankee letter to USAEC dated October 12, 1972

Dear Sir:

We wish to inform you that we have completed the valve wall thickness verification program at Yankee Rowe. The results of the valve verification program may be summarized briefly as follows:

- a) The wall thickness of fifty-six valves in the reactor coolant pressure boundary at Yankee Rowe were ultrasonically measured and the measurements indicated that core shift had not occurred in any of these valves. However, ultrasonic measurements of two valves indicated areas of the valves which were considered to be below the thickness requirements of Code ANSI B16.5. Both of these valves were later determined to be acceptable under the provision of Reference (b) which allows a reduction in the wall thickness if the mechanical properties of the material exceed the specification minimum by an amount sufficient to compensate for the measured reduction in wall thickness.
- b) Because of the coarse grain structure in five of the eight reactor coolant loop isolation valves, we were only able to ultrasonically measure three of these cast, stainless steel valves. The ultrasonic measurements for the three valves that were measured indicated that the wall thickness requirements had been met. Based on this fact, and on the fact that all of these valves have performed satisfactorily during eleven years of service, we do not feel any further verification is needed for these valves.

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USAEC
Directorate of Regulatory Operation
Region I

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The documentation package for the valve verification program has been forwarded to the plant and is available for your review at the plant site.

Very truly yours,

YANKEE ATOMIC ELECTRIC COMPANY

D. E. Vandenberg

D. E. Vandenberg
Vice President

HFB/ah