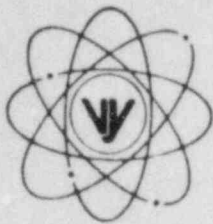


VERMONT YANKEE NUCLEAR POWER CORPORATION



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

March 23, 1984
FVY 84-27

REPLY TO:
ENGINEERING OFFICE
1671 WORCESTER ROAD
FRAMINGHAM, MASSACHUSETTS 01701
TELEPHONE 617-872-8100

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, VYNPC to USNRC, FVY 84-22, dated March 13, 1984

Subject: Vermont Yankee Recirculation and RHR Systems Weld Joint
Inspection Program for the 1984 Refueling Outage

Dear Sir:

By Reference (b), we provided you with our plans for inspection of the recirculation and other reactor coolant boundary piping systems during our 1984 refueling outage. The purpose of this letter is to provide you with the enclosed replacement page for page one of the program. The page has been corrected, as indicated in the margin, to correct for a typographical error.

Very truly yours,

VERMONT YANKEE NUCLEAR POWER CORPORATION

J.B. Sinclair

J. B. Sinclair
Licensing Engineer

JBS/smh

Enclosure

cc: United States Nuclear Regulatory Commission
Office of Inspection and Enforcement
Region I
631 Park Avenue
King of Prussia, PA 19406
Attention: Mr. Robert Gallo

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PDR ADOCK 05000271
Q PDR

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1.0 ULTRASONIC EXAMINATION CRITERIA

1.1 Scope

Vermont Yankee intends to include 47 welds of the Recirculation and Residual Heat Removal Systems in the initial sample selected for examination during the 1984 refueling outage. The sample size has been determined based upon the following table:

<u>Condition</u>	<u>Available Population</u>	<u>Percent in Initial Sample</u>	<u>Number of Resultant Examinations</u>
Overlays of repaired welds with IGSCC greater than or equal to 10% of circumference	17	70*	12
Unrepaired welds with known IGSCC	12	100	12
Previously inspected welds with no indication of IGSCC	26	20	7
Previously uninspected welds	60	20	16
Repaired welds with IGSCC less than 10% of the circumference	5	0	0
Total			47

Further distribution of the sample set will include assurance that the different pipe sizes are represented in the sample.

If additional IGSCC is detected in the samples representing the welds not previously inspected or the previously inspected welds not found to contain IGSCC, the sample size will be increased in accordance with the rules of IWB 2430 of Section XI as defined in I&E Bulletin 83-02.

- * Ten overlaid joints are identical (sweepolet to riser). The overlay thickness is greater than 75% T_{min} at each joint, greatly exceeding wall thickness required for design loads. The inspection approach here is to UT five of these joints (most affected by IGSCC) for weld metal integrity and bond to base metal. If no indications are found, the remaining five will not be re-inspected.