

YANKEE ATOMIC ELECTRIC COMPANY

B.3.2.1

WYR 79-76



20 Turnpike Road Westborough, Massachusetts 01581

July 2, 1979

United States Nuclear Regulatory Commission
Washington, D. C. 20555

Attention: Office of Nuclear Reactor Regulation

References: (a) License No. DPR-3 (Docket 50-29)
(b) USNRC Letter to YAEC, dated May 25, 1979
(c) YAEC Letter to NRC, WYR 77-603

Dear Sir:

Subject: Steam Generator Feedwater Piping

This letter provides responses to the remaining items from Reference (b) concerning the steam generator feedwater piping at Yankee Nuclear Power Station.

1. No records of any post weld NDE are available.
2. The feedwater piping was fabricated in accordance with ANSI B31.1-1955, Power Piping.
3. No fracture toughness requirements were specified.
4. No preservice examinations were performed on this piping since the plant commenced operation prior to the issuance of Section XI.
5. No in-service inspection has yet been performed on the feedwater piping in the area of the feedwater nozzles.
6. The feedwater piping at the steam generator nozzles for two steam generators will be included in the inspection effort for the 1980 refueling at Yankee Nuclear Power Station.
7. Reference (c) previously provided information on waterhammers in feedwater piping at Yankee Nuclear Power Station.
8. Feedwater chemistry control at Yankee Rowe is via the AVT method. Hydrazine is fed continuously to the condensate water in concentrations slightly greater than the measured dissolved oxygen concentration of about 20 ppb. The thermal decomposition of

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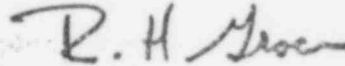
hydrazine produces ammonia. The normal specifications which are produced by this control are:

Feedwater pH:	~ 9.0 - 9.2
Conductivity:	~ 2 umhos/cm
Oxygen:	< 10 ppb
Ammonia:	< 0.5 ppm
Hydrazine:	measurable 0 - 20 ppb

We trust that you find this information satisfactory; however, should you require additional information, please contact us.

Very truly yours,

YANKEE ATOMIC ELECTRIC COMPANY



R. H. Groce
Licensing Engineer

JRH/smw

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