



ATOMIC POWER COMPANY

ENGINEERING OFFICE

B.3.2.1

TURNPIKE ROAD (RT 9)
WESTBORO MASSACHUSETTS 01581
617-366-9011

WY 79-75

July 23, 1979

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

Attention: Office of Nuclear Reactor Regulation

References: (a) License No. DPR-36 (Docket 50-309)
(b) USNRC Letter to MYAPC, dated May 25, 1979
(c) MYAPC Letter to USNRC, dated November 25, 1977
(WY 77-104)

Dear Sir:

Subject: Steam Generator Feedwater Piping

This letter responds to the remaining items from Reference (b) concerning the steam generator feedwater piping at Maine Yankee Atomic Power Station:

1. The nozzle to piping welds were radiographed following welding.
2. The feedwater piping was fabricated in accordance with ANSI B31.1-1967, Power Piping.
3. No fracture toughness requirements were specified.
4. No pre-service examinations were performed on this piping since the plant commenced operation prior to the issuance of Safety Class 2 piping requirements in Section XI.
5. No inservice inspections have been performed on this piping.
6. One steam generator nozzle to pipe weld will be included in the Safety Class 2 inservice inspection program during the 1980 refueling in January - February 1980.
7. Reference (c) previously provided information on waterhammer in feedwater piping at Maine Yankee Atomic Power Station.
8. Feedwater chemistry control is maintained at Maine Yankee in the following manner:
 - a. Careful control of the water treatment plant, to assure that makeup water is of high quality.
 - b. Addition of controlled amounts of morpholine and hydrazine for pH and oxygen control.

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- c. Daily analyses of condensate, feedwater and water storage systems to assure that they are within chemistry specs.
- d. Continuous on line monitoring of condensate for sodium, conductivity and oxygen to provide early detection of condenser tube leakage.
- e. Initiate efforts to locate and plug condenser tube leaks as soon as monitors or laboratory analyses indicate tube leakage.

Feedwater chemistry can be summarized as being normally within the following range:

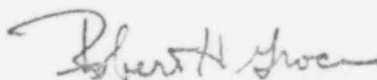
pH	9.2 - 8.5
Conductivity	1.8 - 3.5 micromhos/cm
Chlorides	< 0.01 ppm
Fluorides	< 0.10 ppm
Oxygen	< 0.02 ppm
N_2H_4	< 0.01 to 0.01 ppm
Copper	< 0.05 ppm

Total Undissolved
Solids 0.01 to 0.1 ppm

We trust this information is satisfactory, however, should you have any questions, please feel free to contact us.

Very truly yours,

MAINE YANKEE ATOMIC POWER COMPANY



Robert H. Groce
Licensing Engineer

JRH/smw

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