

NORTHEAST UTILITIES

THE CONNECTICUT LIGHT AND POWER COMPANY
THE HARTFORD ELECTRIC LIGHT COMPANY
WESTERN MASSACHUSETTS ELECTRIC COMPANY
HOLYOKE WATER POWER COMPANY
NORTHEAST UTILITIES SERVICE COMPANY
NORTHEAST NUCLEAR ENERGY COMPANY

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April 29, 1982

Docket No. 50-336
A02357

Director of Nuclear Reactor Regulation
Attn: Mr. Robert A. Clark, Chief
Operating Reactors Branch #3
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555



Reference: (1) W. G. Council letter to R. A. Clark, dated
April 7, 1982, transmitting baseline primary-
to-secondary leakage rates.

Gentlemen:

Millstone Nuclear Power Station, Unit No. 2
Increased Primary-to-Secondary Leakage Rate

This letter provides notification of an increased primary-to-secondary leakage rate, pursuant to the requirements of Technical Specification 3/4.7.1.4, Table 4.7-2. The steady state leakage rate for No. 1 Steam Generator determined on April 15, 1982 had increased by 0.049 gpm from the value provided in Reference (1).

The cause of the leak rate is not known; however, the increase appears to be related to the above average number of plant shutdowns/trips experienced this operating cycle to date resulting in steam generator thermal cycling. The indicated leakage increases after each trip with a subsequent decrease upon return to steady state conditions; however, these steady state leak rates are slightly higher after the transient. An increase in leakage has not been identified during steady state power operation.

Any further degradation of the leakage rate will be readily identified by existing detection methods. The leak rates are determined on a daily basis, and any incremental increase of greater than or equal to 0.05 gpm in the steady state value for either steam generator will be reported in accordance with Technical Specification Table 4.7-2. Prompt corrective action will be initiated for leakage in excess of 0.5 gpm per steam generator as required by Technical Specification 3/4.4.6.2 and 4.4.5.1.3.C. Thus, continued operation is justified and acceptable.

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Subsequent to the leakage rate determination and verbal report on April 15, 1982, the Unit tripped as a result of a leak in the instrument air system. Following startup, leakage rate measurements were conducted in mode 1 at steady state operating conditions as required by Table 4.7-2 of the Technical Specifications. The new baseline primary-to-secondary leakage rate in each steam generator has been determined to be:

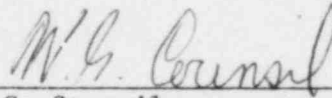
0.094 gpm	Steam Generator No. 1
<0.005 gpm	Steam Generator No. 2

These leakage rate measurements were completed on April 27, 1982.

We trust you find this information satisfactory.

Very truly yours,

NORTHEAST NUCLEAR ENERGY COMPANY



W. G. Council
Senior Vice President