

NORTHEAST UTILITIES



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

General Offices • Selden Street, Berlin, Connecticut

P.O. BOX 270
HARTFORD, CONNECTICUT 06101
(203) 666-6911

July 9, 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 29, 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 June 29, 1982 had increase by greater than 0.05 gpm from the value provided in Reference (1).

The increase in the primary-to-secondary leakage rate in Steam Generator No. 1 has been a gradual process which can be attributed to erosion expected to occur across the leak. In addition, the plant has experienced six power reductions and associated increases ranging from 5% to 20% resulting in some thermal cycling of the steam generators. Thermal cycling has previously been identified as a potential cause of the primary-to-secondary leakage at Millstone Unit No. 2.

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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Baseline 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:

0.178 gpm	Steam Generator No. 1
≤0.005 gpm	Steam Generator No. 2

These leakage rate measurements were completed on July 7, 1982.

We trust you find this information satisfactory.

Very truly yours,

NORTHEAST NUCLEAR ENERGY COMPANY

W. G. Council
W. G. Council
Vice President

John Guk
By: J. F. Opeka
Vice President
Nuclear Operations