

**NORTHEAST UTILITIES**

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

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April 19, 1983

Docket No. 50-336  
B10737

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

- References: (1) R. A. Clark letter to W. G. Council dated,  
March 16, 1983, transmitting Amendment No. 83  
to DPR-65.
- (2) W. G. Council letter to R. A. Clark dated,  
March 14, 1983.
- (3) W. G. Council letter to R. A. Clark dated,  
February 10, 1983.

Gentlemen:

Millstone Nuclear Power Station, Unit No. 2  
License Amendment No. 83

By Reference (1), the NRC Staff issued Amendment No. 83 to Operating License No. DPR-65 for Millstone Unit No. 2. This amendment deferred steam generator inservice inspection requirements of Technical Specification 4.4.5.1.3.c.1 to the 1983 refueling outage. The purpose of this letter is to inform the Staff of the results of the leakage measurements conducted following startup from the March 1, 1983 outage.

Leakage measurements completed at steady state operating conditions on April 7, 1983 indicate total reactor coolant system (RCS) leakage of 0.1 gpm. Primary-to-secondary leakage rate measurements for both steam generators have been obtained using the secondary side gross activity determination method. It has been determined that the primary-to-secondary leakage in Steam Generator No. 1 has been reduced significantly. Revised base line primary-to-secondary leakage rates for each steam generator are:

Steam Generator No. 1	less than .005 gpm
Steam Generator No. 2	No detectable leakage

*Pool*

This information is provided in fulfillment of the reporting requirements of Technical Specification 3/4.7.1.4, Table 4.7-2.

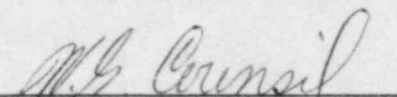
Current secondary side activity measurements are thought to be residual long lived radioisotopes released from the sludge pile. Secondary side gross activity measurements in Steam Generator No. 2 are at undetectable levels. The discrepancy between the new baseline value reported herein for Steam Generator No. 2 and the reported baseline value of .031 gpm in Reference (3) is believed to be due to activity carry over from the leak in Steam Generator No. 1 via the main feedwater system. NNECO is also evaluating data obtained from the steam jet air ejector which will be used to confirm the leakage measurements obtained by the secondary side gross activity method.

An inspection of RCS valves 2-SI-247 and 2-RC-405 at HOT STANDBY revealed no leakage. Both of these valves were known sources of leakage prior to the March 1, 1983, outage and maintenance was performed during the shutdown to mitigate the leakage. In addition two reactor coolant pump seals were replaced during the outage.

The prompt response of the Staff to expedite this matter is appreciated. Significant savings to the company and its rate payers were realized due to the efforts of the Staff in their review and disposition of the license amendment request.

Very truly yours,

NORTHEAST NUCLEAR ENERGY COMPANY

  
W. G. Counsil  
Senior Vice President