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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Docket No. 50-336
A00578

Mr. Boyce H. Grier, Director
Region I
Office of Inspection and Enforcement
U. S. Nuclear Regulatory Commission
631 Park Avenue
King of Prussia, PA 19406

References: (1) W. G. Counsil letter to B. H. Grier dated July 16, 1980.
(2) W. G. Counsil letter to B. H. Grier dated December 14, 1979.

Gentlemen:

Millstone Nuclear Power Station, Unit No. 2
I&E Bulletin No. 79-14
I&E Bulletin No. 79-02

In Reference (1), Northeast Nuclear Energy Company (NNECO) provided the NRC Staff with an update of the project work presently underway at Millstone Unit No. 2 pursuant to the requirements of I&E Bulletin Nos. 79-14 and 79-02. Included in Reference (1) was an outline of the approach by which the remaining concerns associated with I&E Bulletin Nos. 79-14 and 79-02 would be dispositioned.

At the time of the Reference (1) submittal, NNECO was preparing to commence with the 1980 refueling outage at Millstone Unit No. 2, during which approximately one hundred support modifications were expected to be completed. This submittal provides a summary of the design and construction efforts completed to date, outlines the remaining work required to disposition the concerns of I&E Bulletin Nos. 79-14 and 79-02, and provides a schedule for the completion of this work.

To date, all piping stress problems, including seismic Category I large bore and all dynamically analyzed small bore piping, have been reviewed for as-built deviations as required by I&E Bulletin No. 79-14. None of the piping systems reviewed pursuant to the Bulletin requirements were found to have a loss of functionability as a result of as-built deviations.

Thirty-eight (38) of a total of two hundred forty five (245) piping stress problems were judged to require reanalysis. These reanalyses have been completed, and the

results pose no concerns with respect to the operability of the affected systems; however, load changes on certain pipe supports have resulted in the need for pipe support modifications.

All piping supports associated with the piping stress problems have been reviewed for structural adequacy, based on as-built deviations.

None of the systems reviewed were judged to have a loss of functionality due to inadequate pipe support installation.

One hundred eighty (180) supports have been identified to date which require minor modifications resulting primarily from load increases calculated in the piping stress reanalyses discussed above. These modifications have been designed and issued for construction.

Of the 2,760 pipe supports associated with the piping stress problems, 2,000 utilize base plates with concrete expansion anchor bolts. These base plates have been evaluated pursuant to the requirements of I&E Bulletin No. 79-02, incorporating all the as-built support deviations and piping reanalysis loads.

As was reported in Reference (1), NNECO has modified all base plates which had been found to have factors of safety less than two (2) on the anchor bolts. These base plates now have factors of safety greater than four (4) per the requirements of I&E Bulletin No. 79-02. All remaining modifications are to supports with factors of safety between two (2) and four (4). Three hundred sixty six (366) supports have been identified to date as requiring modifications. All have been designed and issued for construction.

NNECO reported in Reference (1) that approximately one hundred (100) support modifications would be completed during the 1980 refueling outage at Millstone Unit No. 2. Due to the minor nature of the modifications required, it was possible to complete two hundred fifty (250) support fixes during the outage.

To date, a total of 321 modifications have been completed at Millstone Unit No. 2. As was noted above, the remaining modifications identified to date, pursuant to the requirements of I&E Bulletin Nos. 79-14 and 79-02, have been designed and issued for construction. NNECO intends to complete all construction work required by I&E Bulletins 79-14 and 79-02 prior to the end of the next refueling outage.

The major portions of the safe shutdown systems have been addressed, and the ability of the plant to shut down during a seismic event has not been compromised.

We trust you find this information responsive to the Reference (1) commitments. A final report will be submitted upon completion of the remaining modifications.

Very truly yours,

NORTHEAST NUCLEAR ENERGY COMPANY

W. G. Counsil

W. G. Counsil
Senior Vice President