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

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

September 10, 1980

Docket No. 50-336
B10068

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) V. Stello, Jr., letter to All PWR Licensees dated January 25, 1978.
(2) A. E. Lundvall, Jr., letter to H. R. Denton dated February 15, 1980.
(3) A. E. Lundvall, Jr., letter to D. G. Eisenhut dated June 30, 1980.
(4) A. E. Lundvall, Jr., letter to D. G. Eisenhut dated July 31, 1980.

Gentlemen:

Millstone Nuclear Power Station, Unit No. 2
Asymmetric LOCA Loads

In response to Reference (1), the Combustion Engineering Owners' Group provided to the NRC Staff Reference (2), an interim report describing an initial assessment of the ability of nuclear steam supply system components to accommodate asymmetric LOCA loads.

Subsequently, Reference (3) provided to the Staff the following reports:

- Reactor Coolant System (RCS) Asymmetric Loads Evaluation Program Final Report, Volumes (1), (2), and (3).
- RCS Asymmetric Loads Evaluation Program Final Report, Appendix (A), Proprietary.
- RCS Asymmetric Loads Evaluation Program Final Report, Appendix (A), Non-Proprietary, and Appendix E.

The Reference (3) reports present, with additional detail, the evaluations docketed by Reference (2). Included in Reference (3) are evaluations of fuel assemblies (including grid structures), reactor internals, control rod drives, and biological shield wall.

The results of the analyses for Millstone Unit No. 2 demonstrate that the integrity and operability of the reactor vessel, steam generators, and reactor coolant pump supports, internals, and ECCS piping are maintained.

An evaluation of the generic plant fuel components shows that with the exception of the grids in the outer row of fuel assemblies, all components, including grids in the internal fuel assemblies, will withstand the calculated loads. In order to demonstrate that core cooling is maintained, a reduced channel ECCS analysis has been performed.

A detailed description of this analysis is provided in Reference (4) and demonstrates acceptable ECCS performance with reduced area coolant channels in the peripheral fuel assemblies.

Northeast Nuclear Energy Company (NNECO) has determined that References (2), (3), and (4), submitted by the Combustion Engineering Owners' Group, are applicable to the Millstone Unit No. 2 docket and should be regarded as our response to Reference (1).

Very truly yours,

NORTHEAST NUCLEAR ENERGY COMPANY

W. G. Counsil

W. G. Counsil
Senior Vice President