

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

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June 4, 1982

Docket No. 50-336

A02427

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 April 15, 1982.
 - (2) W. G. Council letter to R. A. Clark, dated July 24, 1981.
 - (3) D. G. Eisenhower letter to W. G. Council, dated February 10, 1981.

Gentlemen:

Millstone Nuclear Power Station, Unit No. 2
Additional Information - Generic Letter No. 81-14

In response to the Reference (1) request for additional information regarding the seismic qualification of the Millstone Unit No. 2 Auxiliary Feedwater System, Northeast Nuclear Energy Company (NNECO) hereby provides the following.

Question 1

Enclosure 1 of Generic Letter 81-14 (GL 81-14) defines the auxiliary feedwater (AFW) system to be considered as:

- (a) "The AFW system boundary from suction to discharge (including the water source and heat sink) shall include those portions of the system required to accomplish the AFW system function and connected branch piping up to and including the second valve which is normally closed or capable of automatic closure when the safety function is required."
- (b) "The AFW system boundary shall also include any portion of branch piping that is structurally coupled to the AFW system boundary such that the seismic response of the branch piping transmits loads to the AFW system. As a minimum, this includes the branch lines outside the AFW system boundary to a point of three orthogonal restraints."

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- (c) "All mechanical and electrical equipment, piping (e.g., instrument air), conduits and cable trays, which are necessary or contain items which are necessary for the operation of the AFW system, shall also be considered."
- (d) "In addition, the structures housing these systems and components shall be included."

Clarify the extent to which your AFW system boundary, considered in your July 24, 1981 response letter, coincides with the boundary defined in GL 81-14, especially parts (a) and (b) above.

Response

NNECO considered the following as boundaries of the auxiliary feedwater system in the review conducted in response to Reference (1).

- (a) The auxiliary feedwater system has been reanalyzed up to the first anchor beyond the second valve which is normally closed or capable of automatic closure when the safety function is required. This includes the source for auxiliary feedwater, consisting of the condensate storage tank, and the heat sink, consisting of the main steam system either to the condenser or atmosphere through the main steam relief valves.
- (b) All branch piping connected to the auxiliary feedwater system has been accounted for during the seismic reanalysis up to the anchor beyond the first isolation valve.
- (c) All piping, conduit, tubing, cable trays, and mechanical and electrical equipment associated with the auxiliary feedwater system was walked-down in response to Reference (3). These systems and components were found to be supported in compliance with original plant seismic specifications.
- (d) As stated in FSAR Section 5, the structures housing auxiliary feedwater systems and components are Seismic Class I.

Question 2

Your response letter stated that the seismic design of the condensate storage tank (CST) and its enclosure along with the system piping ensures that the primary water source will be available following a design basis seismic event or the occurrence of any credible event involving external phenomenon. Provide the necessary information to substantiate this statement because the CST is, according to your response letter, presently Non-seismic Category I.

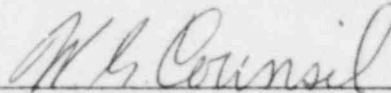
Response

The classification of the condensate storage tank has been verified to be that of a Seismic Class I structure. Design requirements for this tank included deadload, liveload (snow and liquid), wind, and tornado loadings, and seismic operational basis earthquake and design basis earthquake loadings.

This information is provided pursuant to the requirements of 10CFR 50.54(f) as directed by Generic Letter No. 81-14. We trust you find it satisfactory.

Very truly yours,

NORTHEAST NUCLEAR ENERGY COMPANY

A handwritten signature in cursive script, appearing to read "W. G. Council", is written over a horizontal line.

W. G. Council
Senior Vice President

STATE OF CONNECTICUT)
) ss. Berlin
COUNTY OF HARTFORD)

June 4, 1982

Then personally appeared before me W. G. Counsil, who being duly sworn, did state that he is Senior Vice President of Northeast Nuclear Energy Company, a Licensee herein, that he is authorized to execute and file the foregoing information in the name and on behalf of the Licensees herein and that the statements contained in said information are true and correct to the best of his knowledge and belief.

Shirley M. Oates
Notary Public

My Commission Expires March 31, 1986