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UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

July 16, 1979

Docket No. 50-245

Mr. W. G. Council, Vice President  
Nuclear Engineering and Operations  
Northeast Nuclear Energy Company  
P. O. Box 270  
Hartford, Connecticut 06101

Dear Mr. Council:

RE: REQUEST FOR ADDITIONAL INFORMATION  
SYSTEMATIC EVALUATION PROGRAM STRUCTURAL TOPICS  
MILLSTONE NUCLEAR POWER STATION, UNIT NO. 1

To continue our review of the Systematic Evaluation Program structural topics, we request that you provide the information described in the enclosure for each of the identified topics.

Your response is requested within 30 days so that we can maintain our review schedule.

Sincerely,

Dennis L. Ziemann, Chief  
Operating Reactors Branch #2  
Division of Operating Reactors

Enclosure:  
Request for Additional  
Information

cc w/enclosure:  
See next page

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July 16, 1979

cc w/enclosure:  
William H. Cuddy, Esquire  
Day, Berry & Howard  
Counselors at Law  
One Constitution Plaza  
Hartford, Connecticut 06103

Anthony Z. Roisman  
Natural Resources Defense Council  
917 15th Street, N. W.  
Washington, D. C. 20005

Northeast Nuclear Energy Company  
ATTN: Superintendent  
Millstone Plant  
P. O. Box 128  
Waterford, Connecticut 06385

Mr. James R. Himmelwright  
Northeast Utilities Service Company  
P. O. Box 270  
Hartford, Connecticut 06101

Nuclear Regulatory Commission, Region I  
Office of Inspection and Enforcement  
ATTN: John T. Shedlosky  
631 Park Avenue  
King of Prussia, Pennsylvania 19406

Waterford Public Library  
Rope Ferry Road, Route 156  
Waterford, Connecticut 06385

K M C, Inc.  
ATTN: Richard E. Schaffstall  
1747 Pennsylvania Avenue, N. W.  
Suite 1050  
Washington, D. C. 20006

MILLSTONE UNIT NO. 1  
REQUEST FOR INFORMATION  
STRUCTURAL TOPICS

Information is needed for the following structural topics:

III-2 Wind and Tornado Loads

Indicate which standards or codes (including edition date) were used in the design of each Category I structure for wind and tornado.

III-3.A Effects of High Water Level on Structures

Provide the design water level, including the hurricane flooding conditions, that was considered in the design of each Category I structure.

III-4 Missile Generation and Protection

Provide the missile barrier design criteria of the reactor building and turbine building.

III-7.B Design Codes, Design Criteria, Load Combination, and Reactor Cavity Design Criteria

1. With regard to the design of the steel containment, provide the design specifications and appropriate design reports. This information should include the information requested in items two through six below.
2. List the codes and standards (including edition date) used for design and construction of each Category I structure.
3. List all loads and load combinations considered in the design of each Category I structure, including any missile or pipe break effects.
4. Provide the pertinent material properties of the steel and concrete (i.e.,  $f_g$  and  $f_i$ , etc.) used in the design of each safety related structure.
5. Describe the method of combining stresses induced by seismic action with the stresses resulted from non-seismic loads.
6. Provide a summary of stresses or strains at critical locations in all Category I structures for each load and load combination considered in the design.

III-7.D Containment Structural Integrity Tests

Provide any reports that describe the procedures and results of the primary containment structural integrity test.