

April 17, 2001

Mr. R. G. Lizotte  
Master Process Owner - Assessment  
c/o Mr. David A. Smith  
Northeast Nuclear Energy Company  
P. O. Box 128  
Waterford, CT 06385-0128

SUBJECT: MILLSTONE NUCLEAR POWER STATION, UNIT NO. 2 - NOTICE OF  
CONSIDERATION OF ISSUANCE OF AMENDMENT TO FACILITY  
OPERATING LICENSES AND OPPORTUNITY FOR HEARING (TAC NO.  
MB0866)

Dear Mr. Lizotte:

Enclosed is a copy of the subject notice that relates to Northeast Nuclear Energy Company's application for amendment dated December 21, 2000. The proposed amendment would revise the Millstone Unit No. 2 Final Safety Analysis Report (FSAR), Chapter 14, description of the Steam Generator Tube Rupture (SGTR) event and its associated radiological dose consequences.

The U.S. Nuclear Regulatory Commission (NRC) staff understands that the proposed changes are not the result of plant hardware changes or changes in operating practices but, rather, are the result of incorporating a postulated loss of offsite power, a more conservative methodology, and more conservative assumptions into the analysis for the SGTR. The NRC staff further notes that you have determined that the revised radiological consequences are still well within the limits of 10 CFR Part 100 and the requirements of 10 CFR Part 50, Appendix A, General Design Criteria 19 (the NRC will verify your conclusion prior to making a safety determination). However, the NRC staff also notes that the increases in the postulated SGTR Exclusion Area Boundary thyroid doses appear to be significant enough to warrant providing an opportunity for public hearing prior to issuance of the requested amendment. Therefore, the NRC staff has decided not to publish a proposed No Significant Hazards Consideration Determination with the *Federal Register* Notice of Consideration of Issuance for this amendment request. Rather, the

R. Lizotte

-2-

*Federal Register* Notice will be published in accordance with 10 CFR 2.105(a)(9), to provide an opportunity for a prior hearing.

The notice has been forwarded to the Office of the Federal Register for publication.

Sincerely,

**/RA/**

Daniel S. Collins, Project Manager, Section 2  
Project Directorate I  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

Docket No. 50-336

Enclosure: Notice

cc w/encl: See next page

*Federal Register* Notice will be published in accordance with 10 CFR 2.105(a)(9), to provide an opportunity for a prior hearing.

The notice has been forwarded to the Office of the Federal Register for publication.

Sincerely,

**/RA/**

Daniel S. Collins, Project Manager, Section 2  
Project Directorate I  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

Docket No. 50-336

Enclosure: Notice

cc w/encl: See next page

**DISTRIBUTION:**

PUBLIC	EAdensam	TCClark	PDI-2 R/F	OGC
RSummers, RI	JClifford	DCollins	ACRS	

Accession Number: ML010520299

OFFICE	PDI-2/PM	PDI-2/LA	PDI-2/SC
NAME	DCollins	TCClark	JClifford
DATE	4/12/01	3/23/01	4/16/01

**OFFICIAL RECORD COPY**

Millstone Nuclear Power Station  
Unit 2

cc:

Ms. L. M. Cuoco  
Senior Nuclear Counsel  
Northeast Utilities Service Company  
P. O. Box 270  
Hartford, CT 06141-0270

Edward L. Wilds, Jr., Ph.D.  
Director, Division of Radiation  
Department of Environmental Protection  
79 Elm Street  
Hartford, CT 06106-5127

Regional Administrator, Region I  
U.S. Nuclear Regulatory Commission  
475 Allendale Road  
King of Prussia, PA 19406

First Selectmen  
Town of Waterford  
15 Rope Ferry Road  
Waterford, CT 06385

Charles Brinkman, Manager  
Washington Nuclear Operations  
ABB Combustion Engineering  
12300 Twinbrook Pkwy, Suite 330  
Rockville, MD 20852

Senior Resident Inspector  
Millstone Nuclear Power Station  
c/o U.S. Nuclear Regulatory Commission  
P.O. Box 513  
Niantic, CT 06357

Mr. F. C. Rothen  
Vice President - Nuclear Work Services  
Northeast Nuclear Energy Company  
P. O. Box 128  
Waterford, CT 06385

Ernest C. Hadley, Esquire  
P.O. Box 1104  
West Falmouth, MA 02574-1104

Mr. J. T. Carlin  
Vice President - Human Services - Nuclear  
Northeast Nuclear Energy Company  
P. O. Box 128  
Waterford, CT 06385

Mr. Allan Johanson, Assistant Director  
Office of Policy and Management  
Policy Development and Planning  
Division  
450 Capitol Avenue - MS# 52ERN  
P. O. Box 341441  
Hartford, CT 06134-1441

Mr. L. J. Olivier  
Senior Vice President and Chief  
Nuclear Officer - Millstone  
Northeast Nuclear Energy Company  
P.O. Box 128  
Waterford, CT 06385

Mr. C. J. Schwarz  
Master Process Owner - Operate the Asset  
Northeast Nuclear Energy Company  
P.O. Box 128  
Waterford, CT 06385

Mr. B. D. Kenyon  
President and CEO - NNECO  
Northeast Nuclear Energy Company  
P.O. Box 270  
Waterford, CT 06141-0270

Mr. R. P. Necci  
Vice President - Nuclear Technical Services  
Northeast Nuclear Energy Company  
P. O. Box 128  
Waterford, CT 06385

Citizens Regulatory Commission  
ATTN: Ms. Geri Winslow  
P. O. Box 199  
Waterford, CT 06385

Millstone Nuclear Power Station  
Unit 2  
cc:

Deborah Katz, President  
Citizens Awareness Network  
P. O. Box 83  
Shelburne Falls, MA 03170

Ms. Terry Concannon  
Co-Chair  
Nuclear Energy Advisory Council  
41 South Buckboard Lane  
Marlborough, CT 06447

Millstone Nuclear  
Mr. Evan W. Woollacott  
Co-Chair  
Nuclear Energy Advisory Council  
128 Terry's Plain Road  
Simsbury, CT 06070

Attorney Nicholas J. Scobbo, Jr.  
Ferriter, Scobbo, Caruso, Rodophele, PC  
75 State Street, 7th Floor  
Boston, MA 02108-1807

Mr. D. A. Smith  
Process Owner - Regulatory Affairs  
Northeast Nuclear Energy Company  
P. O. Box 128  
Waterford, CT 06385

Ms. Nancy Burton  
147 Cross Highway  
Redding Ridge, CT 00870

Mr. G. D. Hicks  
Master Process Owner - Training  
Northeast Nuclear Energy Company  
P.O. Box 128  
Waterford, CT 06385

Mr. E. S. Grecheck  
Vice President - Generation  
Northeast Nuclear Energy Company  
P.O. Box 128  
Waterford, CT 06385

UNITED STATES NUCLEAR REGULATORY COMMISSION

NORTHEAST NUCLEAR ENERGY COMPANY, ET AL.

DOCKET NO. 50-336

MILLSTONE NUCLEAR POWER STATION, UNIT NO. 2

NOTICE OF CONSIDERATION OF ISSUANCE OF AMENDMENT TO  
FACILITY OPERATING LICENSE AND OPPORTUNITY FOR A HEARING

The U.S. Nuclear Regulatory Commission (the Commission) is considering issuance of an amendment to Facility Operating License No. DPR-65, issued to Northeast Nuclear Energy Company, et al. (the licensee), for operation of the Millstone Nuclear Power Station, Unit No. 2 (MP2), located in New London County, Connecticut.

The proposed amendment would revise the MP2 Final Safety Analysis Report (FSAR), Chapter 14, description of the Steam Generator Tube Rupture (SGTR) event and its associated radiological dose consequences. The changes are not the result of hardware changes to the plant or changes in operating practices. Rather, the changes are the result of incorporating a postulated loss of offsite power into the event analyses as well as revised assumptions and analysis methodology. The proposed FSAR changes show that the postulated dose consequences for the updated SGTR analysis are higher than the dose consequences for the previous analysis.

Specifically, the proposed changes in the assumptions associated with the SGTR analyses will increase the dose consequences for two hypothetical cases: Case 1 involves a spike in the reactor coolant iodine activity level as a result of the SGTR accident; Case 2 involves a pre-accident spike in the iodine activity level. For Case 1, the revised calculations result in the following changes to the postulated accident doses for the Exclusion Area

Boundary (EAB), and Low Population Zone (LPZ): EAB thyroid dose increases from .160 REM to 15.4 REM; EAB whole body dose increases from .146 REM to 2.2 REM; LPZ thyroid dose increases from .017 REM to 2.1 REM; and, LPZ whole body dose increases from .045 REM to .3 REM. For Case 2, the postulated doses would change as follows: EAB thyroid dose increases from .813 REM to 27.8 REM; EAB whole body dose increases from .146 REM to .8 REM; LPZ thyroid dose increases from .085 REM to 3.7 REM; and LPZ whole body dose increases from .045 REM to .1 REM.

Before issuance of the proposed license amendment, the Commission will have made findings required by the Atomic Energy Act of 1954, as amended (the Act) and the Commission's regulations.

By May 23, 2001, the licensee may file a request for a hearing with respect to issuance of the amendment to the subject facility operating license and any person whose interest may be affected by this proceeding and who wishes to participate as a party in the proceeding must file a written request for a hearing and a petition for leave to intervene. Requests for a hearing and a petition for leave to intervene shall be filed in accordance with the Commission's "Rules of Practice for Domestic Licensing Proceedings" in 10 CFR Part 2. Interested persons should consult a current copy of 10 CFR 2.714 which is available at the Commission's Public Document Room, located at One White Flint North, 11555 Rockville Pike (first floor), Rockville, Maryland and accessible electronically through the ADAMS Public Electronic Reading Room link at the NRC Web site (<http://www.nrc.gov>). If a request for a hearing or petition for leave to intervene is filed by the above date, the Commission or an Atomic Safety and Licensing Board, designated by the Commission or by the Chairman of the Atomic Safety and Licensing Board Panel, will rule on the request and/or petition; and the Secretary or the designated Atomic Safety and Licensing Board will issue a notice of hearing or an appropriate order.

As required by 10 CFR 2.714, a petition for leave to intervene shall set forth with particularity the interest of the petitioner in the proceeding, and how that interest may be affected by the results of the proceeding. The petition should specifically explain the reasons why intervention should be permitted with particular reference to the following factors: (1) the nature of the petitioner's right under the Act to be made a party to the proceeding; (2) the nature and extent of the petitioner's property, financial, or other interest in the proceeding; and (3) the possible effect of any order which may be entered in the proceeding on the petitioner's interest. The petition should also identify the specific aspect(s) of the subject matter of the proceeding as to which petitioner wishes to intervene. Any person who has filed a petition for leave to intervene or who has been admitted as a party may amend the petition without requesting leave of the Board up to 15 days prior to the first prehearing conference scheduled in the proceeding, but such an amended petition must satisfy the specificity requirements described above.

Not later than 15 days prior to the first prehearing conference scheduled in the proceeding, a petitioner shall file a supplement to the petition to intervene which must include a list of the contentions which are sought to be litigated in the matter. Each contention must consist of a specific statement of the issue of law or fact to be raised or controverted. In addition, the petitioner shall provide a brief explanation of the bases of the contention and a concise statement of the alleged facts or expert opinion which support the contention and on which the petitioner intends to rely in proving the contention at the hearing. The petitioner must also provide references to those specific sources and documents of which the petitioner is aware and on which the petitioner intends to rely to establish those facts or expert opinion. Petitioner must provide sufficient information to show that a genuine dispute exists with the applicant on a material issue of law or fact. Contentions shall be limited to matters within the scope of the amendment under consideration. The contention must be one which, if proven,

would entitle the petitioner to relief. A petitioner who fails to file such a supplement which satisfies these requirements with respect to at least one contention will not be permitted to participate as a party.

Those permitted to intervene become parties to the proceeding, subject to any limitations in the order granting leave to intervene, and have the opportunity to participate fully in the conduct of the hearing, including the opportunity to present evidence and cross-examine witnesses.

A request for a hearing or a petition for leave to intervene must be filed with the Secretary of the Commission, U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, Attention: Rulemakings and Adjudications Staff, or may be delivered to the Commission's Public Document Room, located at One White Flint North, 11555 Rockville Pike (first floor), Rockville, Maryland, by the above date. A copy of the petition should also be sent to the Office of the General Counsel, U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, and to Lillian M. Cuoco, Esq., Senior Nuclear Counsel, Northeast Utilities Service Company, P.O. Box 270, Hartford, Connecticut, attorney for the licensee.

Nontimely filings of petitions for leave to intervene, amended petitions, supplemental petitions and/or requests for hearing will not be entertained absent a determination by the Commission, the presiding officer or the presiding Atomic Safety and Licensing Board that the petition and/or request should be granted based upon a balancing of the factors specified in 10 CFR 2.714(a)(1)(i)-(v) and 2.714(d).

If a request for a hearing is received, the Commission's staff may issue the amendment after it completes its technical review and prior to the completion of any required hearing if it publishes a further notice for public comment of its proposed finding of no significant hazards consideration in accordance with 10 CFR 50.91 and 50.92.

For further details with respect to this action, see the application for amendment dated December 21, 2000, which is available for public inspection at the Commission's Public Document Room, located at One White Flint North, 11555 Rockville Pike (first floor), Rockville, Maryland, and accessible electronically through the ADAMS Public Electronic Reading Room link at the NRC Web site (<http://www.nrc.gov>).

Dated at Rockville, Maryland, this 17th day of April 2001.

FOR THE NUCLEAR REGULATORY COMMISSION

**/RA/**

Daniel S. Collins, Project Manager, Section 2  
Project Directorate I  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation