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- NRC PDR
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- ORB #3 Rdg
- DEisenhut
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- PLeech
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- SECY
- LJHarmon(2)
- TBarnhart (4)
- LSchneider (1)
- DBrinkman
- ACRS (10)
- OPA (Clare Miles)
- RDiggs
- ~~RBallard~~
- NSIC

Docket No. 50-336

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

Dear Mr. Council:

The Commission has issued the enclosed Amendment No. 82 to Facility Operating License No. DPR-65 for Millstone Nuclear Power Station Unit 2. The amendment consists of a temporary change to the Technical Specifications (TSs) in response to your March 1, 1983 application, telecopied to us on March 1, 1983. This amendment was authorized by telephone on March 1, 1983, and was confirmed by letter dated March 2, 1983.

The amendment added a footnote to the TS 3.4.6.2.b Action statement to allow an additional 24 hours before the unit must be in COLD SHUTDOWN after the plant personnel determined that the 1 gpm Reactor Coolant System unidentified leakage limit was exceeded on March 1, 1983. The amendment was issued on an expedited basis to permit plant operation in HOT STANDBY for a sufficient period to identify the source(s) of the leakage.

Copies of the Safety Evaluation and the Notice of Issuance are also enclosed.

Sincerely,

Original signed by:

Robert A. Clark, Chief
 Operating Reactors Branch #3
 Division of Licensing

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 PDR ADOCK 05000336
 P PDR

Enclosures:

1. Amendment No. 82
2. Safety Evaluation
3. Notice

cc w/enclosures:
 See next page

No legal objection

OFFICE	ORB#3:DL	ORB#R:DL	ORB#3:DL	DL:AD	OELD		
SURNAME	PKreutzer	PLeech:dd	RAClark	GLainas	M. Rohschild		
DATE	3/11/83	3/11/83	3/11/83	3/11/83	3/11/83		



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

DISTRIBUTION:
Docket File
ORB#3 Rdg
PMKreutzer

Docket No. 50-336

Docketing and Service Section
Office of the Secretary of the Commission

SUBJECT: NORTHEAST NUCLEAR ENERGY COMPANY, Millstone Unit 2

Two signed originals of the Federal Register Notice identified below are enclosed for your transmittal to the Office of the Federal Register for publication. Additional conformed copies (122) of the Notice are enclosed for your use.

- Notice of Receipt of Application for Construction Permit(s) and Operating License(s).
- Notice of Receipt of Partial Application for Construction Permit(s) and Facility License(s): Time for Submission of Views on Antitrust Matters.
- Notice of Availability of Applicant's Environmental Report.
- Notice of Proposed Issuance of Amendment to Facility Operating License.
- Notice of Receipt of Application for Facility License(s); Notice of Availability of Applicant's Environmental Report; and Notice of Consideration of Issuance of Facility License(s) and Notice of Opportunity for Hearing.
- Notice of Availability of NRC Draft/Final Environmental Statement.
- Notice of Limited Work Authorization.
- Notice of Availability of Safety Evaluation Report.
- Notice of Issuance of Construction Permit(s).
- Notice of Issuance of Facility Operating License(s) or Amendment(s).
- Other: Amendment No. 82.
Referenced documents have been provided PDR.

Office of Nuclear Reactor Regulation

Enclosure:
As Stated

OFFICE →	ORB#3:DL					
SURNAME →	PMKreutzer:dd					
DATE →	3/13/83					

Northeast Nuclear Energy Company

cc:

William H. Cuddy, Esquire
Day, Berry & Howard
Counselors at Law
One Constitution Plaza
Hartford, Connecticut 06103

Mr. Charles Brinkman
Manager - Washington Nuclear
Operations
C-E Power Systems
Combustion Engineering, Inc.
7910 Woodmont Avenue
Bethesda, MD 20814

Mr. Lawrence Bettencourt, First Selectman
Town of Waterford
Hall of Records - 200 Boston Post Road
Waterford, Connecticut 06385

Northeast Nuclear Energy Company
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Post Office Box 128
Waterford, Connecticut 06385

U. S. Environmental Protection Agency
Region I Office
ATTN: Regional Radiation
Representative
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Boston, Massachusetts 02203

Northeast Utilities Service Company
ATTN: Mr. Richard T. Laudenat, Manager
Generation Facilities Licensing
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Hartford, Connecticut 06101

Mr. John Shedlosky
Resident Inspector/Millstone
c/o U.S.N.R.C.
P. O. Drawer KK
Niantic, CT 06357

Regional Administrator
Nuclear Regulatory Commission, Region I
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John F. Opeka
System Superintendent
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P. O. Box 270
Hartford, Connecticut 06101

Office of Policy & Management
ATTN: Under Secretary Energy
Division
80 Washington Street
Hartford, Connecticut 06115



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

NORTHEAST NUCLEAR ENERGY COMPANY

THE CONNECTICUT LIGHT AND POWER COMPANY

THE HARTFORD ELECTRIC LIGHT COMPANY

THE WESTERN MASSACHUSETTS ELECTRIC COMPANY

DOCKET NO. 50-336

MILLSTONE NUCLEAR POWER STATION, UNIT NO. 2

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 82
License No. DPR-65

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by Northeast Nuclear Energy Company, et al. (the licensee) dated March 1, 1983, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act) and the Commission's rules and regulations set forth in 10 CFR Chapter I;
 - B. The facility will operate in conformity with the application, the provisions of the Act, and the rules and regulations of the Commission;
 - C. There is reasonable assurance (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations;
 - D. The issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public; and
 - E. The issuance of this amendment is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.

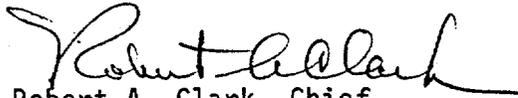
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment, and paragraph 2.C.(2) of Facility Operating License No. DPR-65 is hereby amended to read as follows:

(2) Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 82 are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

3. This license amendment was effective on March 1, 1983.

FOR THE NUCLEAR REGULATORY COMMISSION



Robert A. Clark, Chief
Operating Reactors Branch #3
Division of Licensing

Attachment:
Changes to the Technical
Specifications

Date of Issuance: March 11, 1983

ATTACHMENT TO LICENSE AMENDMENT NO. 82

FACILITY OPERATING LICENSE NO. DPR-65

DOCKET NO. 50-336

Remove and replace the following page of the Appendix A Technical Specifications with the enclosed page. The revised page is identified by amendment number and contains vertical lines indicating the area of change. The corresponding overleaf page is provided to maintain document completeness.

Remove

3/4 4-9

Insert

3/4 4-9

REACTOR COOLANT SYSTEM

REACTOR COOLANT SYSTEM LEAKAGE

LIMITING CONDITION FOR OPERATION

3.4.6.2 Reactor Coolant System leakage shall be limited to:

- a. No PRESSURE BOUNDARY LEAKAGE,
- b. 1 GPM UNIDENTIFIED LEAKAGE,
- c. 1 GPM total primary-to-secondary leakage through both steam generators and 0.5 GPM through any one steam generator, and
- d. 10 GPM IDENTIFIED LEAKAGE from the Reactor Coolant System.

APPLICABILITY: MODES 1, 2, 3 and 4.

ACTION:

- a. With any PRESSURE BOUNDARY LEAKAGE, be in COLD SHUTDOWN within 36 hours.
- b. With any Reactor Coolant System leakage greater than any one of the above limits, excluding PRESSURE BOUNDARY LEAKAGE, reduce the leakage rate to within limits within 4 hours or be in COLD SHUTDOWN within the next 36 hours.*

*For the shutdown commencing on March 1, 1983, the unit shall be placed in HOT STANDBY within the next 6 hours and COLD SHUTDOWN within the next 54 hours.

SURVEILLANCE REQUIREMENTS

4.4.6.2 Reactor Coolant System leakages shall be demonstrated to be within each of the above limits by:

- a. Monitoring the containment atmosphere particulate radioactivity at least once per 12 hours.
- b. Monitoring the containment sump inventory at least once per 12 hours,
- c. Performance of a Reactor Coolant System water inventory balance at least once per 72 hours during steady state operation except when operating in the shutdown cooling mode.

REACTOR COOLANT SYSTEM

CHEMISTRY

LIMITING CONDITION FOR OPERATION

3.4.7 The Reactor Coolant System chemistry shall be maintained within the limits specified in Table 3.4-1.

APPLICABILITY: ALL MODES.

ACTION:

MODES 1, 2, 3 and 4

- a. With any one or more chemistry parameter in excess of its Steady State Limit but within its Transient Limit, restore the parameter to within its Steady State Limit within 24 hours or be in COLD SHUTDOWN within the next 36 hours.
- b. With any one or more chemistry parameter in excess of its Transient Limit, be in COLD SHUTDOWN within 36 hours.

MODES 5 and 6

With the concentration of either chloride or fluoride in the Reactor Coolant System in excess of its Steady State Limit for more than 24 hours or in excess of its Transient Limit, reduce the pressurizer pressure to ≤ 500 psia, if applicable, and perform an analysis to determine the effects of the out-of-limit condition on the structural integrity of the Reactor Coolant System; determine that the Reactor Coolant System remains acceptable for continued operations prior to increasing the pressurizer pressure above 500 psia or prior to proceeding to MODE 4.

SURVEILLANCE REQUIREMENTS

4.4.7 The Reactor Coolant System chemistry shall be determined to be within the limits by analysis of those parameters at the frequencies specified in Table 4.4-1.



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

SUPPORTING AMENDMENT NO. 82 TO FACILITY OPERATING LICENSE NO. DPR-65

NORTHEAST NUCLEAR ENERGY COMPANY, ET AL.

MILLSTONE NUCLEAR POWER STATION, UNIT 2

DOCKET NO. 50-336

INTRODUCTION

By telecopied letter dated March 1, 1983, the Northeast Nuclear Energy Company (the licensee) requested a temporary change to the Technical Specifications (TSs) appended to Facility Operating License No. DPR-65 for Millstone Nuclear Power Station Unit 2. The change would modify the Appendix A paragraph 3.4.6.2 Action requirement by adding a footnote as follows:

- b. With any Reactor Coolant System leakage greater than any one of the above limits, excluding PRESSURE BOUNDARY LEAKAGE, reduce the leakage rate to within limits within 4 hours or be in COLD SHUTDOWN within the next 36 hours.**

** For the shutdown commencing on March 1, 1983, the unit shall be placed in HOT STANDBY within the next 6 hours and COLD SHUTDOWN within the next 54 hours.

BACKGROUND

The Millstone 2 Reactor Coolant System (RCS) unidentified leakage limit of 1.0 gpm was exceeded at 2:00p.m. on March 1, 1983. The unidentified leakage was calculated to be 1.3 gpm. The Action statement for Technical Specification 3.4.6.2.b requires the plant to be in Cold Shutdown within 36 hours if the leakage is not reduced to below 1 gpm within the first 4 hours. The licensee has requested a one-time Technical Specification change to extend the time to Cold Shutdown to 60 hours. This will allow time to identify the source of the leakage and put in place a collection system so the leakage can continue to be considered as Identified Leakage (for which the limit is 10 gpm).

EVALUATION

The licensee will place the plant in Hot Shutdown thereby mitigating the consequences of any events which could be associated with excessive unidentified leakage (i.e. LOCA). The licensee will confirm the current expectation that the leakage is associated with valve stem leakage (PORV Block Valve, Stem Leakage). If the licensee's investigation indicates that there is any Pressure Boundary Leakage, the plant will be taken to Cold Shutdown.

The licensee's actions will meet the intent of the Technical Specification in that any Pressure Boundary Leakage will result in a Cold Shutdown, and leakage below 10 gpm which can be classified as Identified Leakage will not require a shutdown at all. In addition, if the licensee's investigation determines that some of the leakage is Pressure Boundary Leakage, the period of exposure to such a condition will be short (a maximum of 60 hours vs the current 36 hour specification) and the plant will already have been placed in Hot Shutdown .

CONCLUSION

The proposed actions do not constitute a significant change in the currently allowed plant conditions and will not result in any undue risk to the health and safety of the public.

Environmental Consideration

We have determined that the amendment does not authorize a change in effluent types or total amounts nor an increase in power level and will not result in any significant environmental impact. Having made this determination, we have further concluded that the amendment involves an action which is insignificant from the standpoint of environmental impact and, pursuant to 10 CFR §1.5(d)(4), that an environmental impact statement or negative declaration and environmental impact appraisal need not be prepared in connection with the issuance of this amendment.

Conclusion

We have concluded, based on the considerations discussed above, that: (1) because the amendment does not involve a significant increase in the probability or consequences of an accident previously evaluated, does not create the possibility of an accident of a type different from any evaluated previously, and does not involve a significant reduction in a margin of safety, the amendment does not involve a significant hazards consideration, (2) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, and (3) such activities will be conducted in compliance with the Commission's regulations and the issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public.

Principal Contributor:

Gary Holahan, ORAB

Date: March 11, 1983

UNITED STATES NUCLEAR REGULATORY COMMISSIONDOCKET NO. 50-336NORTHEAST NUCLEAR ENERGY COMPANY, ET AL.NOTICE OF ISSUANCE OF AMENDMENT TO FACILITY
OPERATING LICENSE

The U. S. Nuclear Regulatory Commission (the Commission) has issued Amendment No. 82 to Facility Operating License No. DPR-65, issued to The Connecticut Light and Power Company, The Hartford Electric Light Company, Western Massachusetts Electric Company, and Northeast Nuclear Energy Company (the licensees), which temporarily revised the Technical Specifications (TS) for operation of the Millstone Nuclear Power Station Unit No. 2 (the facility) located in the Town of Waterford, Connecticut.

The amendment was authorized by telephone on March 1, 1983 and was confirmed by letter dated March 2, 1983. The amendment added a footnote to the TS 3.4.6.2.b Action statement to allow an additional 24 hours before the unit must be in COLD SHUTDOWN after the plant personnel determined that the 1 gpm Reactor Coolant System unidentified leakage limit was exceeded on March 1, 1983. The amendment was issued on an expedited basis to permit plant operation in HOT STANDBY for a sufficient period to identify the source(s) of the leakage.

The application for the amendment complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations. The Commission has made appropriate findings as required by the Act and the Commission's rules and regulations in 10 CFR Chapter I, which are set forth in the license amendment. Prior public notice of the amendment was not required since the amendment does not involve a significant hazards consideration.

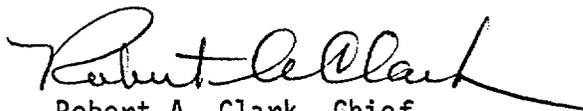
- 2 -

The Commission has determined that the issuance of the amendment will not result in any significant environmental impact and that pursuant to 10 CFR s51.5(d)(4) an environmental impact statement, or negative declaration and environmental impact appraisal need not be prepared in connection with issuance of the amendment.

For further details with respect to this action, see (1) the application for amendment dated March 1, 1983, (2) the Commission's letter to licensee dated March 2, 1983 (3) Amendment No. 82 to License No. DPR-65 and (4) the Commission's related Safety Evaluation. All of these items are available for public inspection at the Commission's Public Document Room, 1717 H Street, N.W., Washington, D.C. and at the Waterford Public Library, Rope Ferry Road, Waterford, Connecticut. A copy of items (2), (3), and (4) may be obtained upon request addressed to the U. S. Nuclear Regulatory Commission, Washington, D. C. 20555, Attention: Director, Division of Licensing.

Dated at Bethesda, Maryland, this 11th day of March, 1983

FOR THE NUCLEAR REGULATORY COMMISSION



Robert A. Clark, Chief
Operating Reactors Branch #3
Division of Licensing



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

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PMKreutzer

Docket No. 50-336

Docketing and Service Section
Office of the Secretary of the Commission

SUBJECT: NORTHEAST NUCLEAR ENERGY COMPANY, Millstone Unit 2

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- Notice of Limited Work Authorization.
- Notice of Availability of Safety Evaluation Report.
- Notice of Issuance of Construction Permit(s).
- Notice of Issuance of Facility Operating License(s) or Amendment(s).
- Other: Amendment No. 82.
Referenced documents have been provided PDR.

Office of Nuclear Reactor Regulation

Enclosure:
As Stated

OFFICE	ORB#3: D					
SURNAME	PMKreutzer:dd					
DATE	3/15/83					