

February 14, 199

Docket No. 50-336

Mr. John F. Opeka  
Executive Vice President, Nuclear  
Connecticut Yankee Atomic Power Company  
Northeast Nuclear Energy Company  
Post Office Box 270  
Hartford, Connecticut 06141-0270

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Dear Mr. Opeka:

SUBJECT: ISSUANCE OF AMENDMENT (TAC NO. M87178)

The Commission has issued the enclosed Amendment No. 171 to Facility Operating License No. DPR-65 for Millstone Nuclear Power Station, Unit No. 2, in response to your application dated August 4, 1992.

The amendment incorporates an additional Emergency Diesel Generator (EDG) Surveillance Requirement 4.8.1.1.2.C.8, items a, b, and c, to the Technical Specification Section 3/4.8, "Electrical Power Systems." The change requires starting the EDG, with offsite power available, as a result of a Safety Injection Actuation Signal.

A copy of the related Safety Evaluation is also enclosed. The notice of issuance will be included in the Commission's biweekly Federal Register notice.

Sincerely,

Original signed by

Guy S. Vissing, Senior Project Manager  
Project Directorate I-4  
Division of Reactor Projects - I/II  
Office of Nuclear Reactor Regulation

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P PDR

Enclosures:

- 1. Amendment No. 171 to DPR-65
- 2. Safety Evaluation

cc w/enclosures:  
See next page

\*See previous concurrence

#94-008

OFFICE	LA:PDI-4*	PM:PDI-4*	D:PDI-4*	OGC*	BC:OTSB*
NAME	SNorris	GSVissing:cn	JStolz	CBarth	CGrimes
DATE	12/27/93	1/10/94	2/14/94	2/13/92	1/26/94

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UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555-0001

February 14, 1994

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Connecticut Yankee Atomic Power Company  
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Sincerely,

A handwritten signature in cursive script, appearing to read "Guy S. Vissing".

Guy S. Vissing, Senior Project Manager  
Project Directorate I-4  
Division of Reactor Projects - I/II  
Office of Nuclear Reactor Regulation

Enclosures:

1. Amendment No. 171 to DPR-65
2. Safety Evaluation

cc w/enclosures:  
See next page

Mr. John F. Opeka  
Northeast Nuclear Energy Company

Millstone Nuclear Power Station  
Unit 2

cc:

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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 Appendix A, as revised through Amendment No. 171, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

3. This license amendment is effective as of the date of issuance to be implemented within 30 days of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



John F. Stolz, Director  
Project Directorate I-4  
Division of Reactor Projects - I/II  
Office of Nuclear Reactor Regulation

Attachment:  
Changes to the Technical  
Specifications

Date of Issuance: February 14, 1994

ATTACHMENT TO LICENSE AMENDMENT NO. 171

FACILITY OPERATING LICENSE NO. DPR-65

DOCKET NO. 50-336

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 areas of change.

Remove

3/4 8-4

Insert

3/4 8-4

ELECTRICAL POWER SYSTEMS

SURVEILLANCE REQUIREMENT (Continued)

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- c) Verifying that on the safety injection actuation signal, all diesel generator trips, except engine overspeed, generator differential current, voltage restraint overcurrent, and low lube oil pressure (2 out of 3) are automatically bypassed.
- 
- 6. Verifying the diesel generator operates for  $\geq 60$  minutes while loaded to  $\geq 2750$  kw.
  - 7. Verifying that the auto-connect loads to each diesel generator do not exceed the 2000 hour rating of 3000 kw.
  - 8. Verifying that on an actual or simulated Safety Injection Actuation Signal (SIAS) without a loss of offsite power:
    - a. The diesel generator starts on the auto-start signal and operates on Standby for greater than 5 minutes;
    - b. The generator frequency and voltage shall reach 58.8 to 61.2 Hertz, and 3740 to 4580 VAC, and be maintained during this test;
    - c. The diesel start time (time to reach 90% of rated speed and 97% of rated voltage) shall be less than or equal to 15 seconds.



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555-0001

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

RELATED TO AMENDMENT NO. 171

TO FACILITY OPERATING LICENSE NO. DPR-65

NORTHEAST NUCLEAR ENERGY COMPANY

THE CONNECTICUT LIGHT AND POWER COMPANY

THE WESTERN MASSACHUSETTS ELECTRIC COMPANY

MILLSTONE NUCLEAR POWER STATION, UNIT NO. 2

DOCKET NO. 50-336

1.0 INTRODUCTION

By letter dated August 4, 1993, Northeast Nuclear Energy Company (NNECO/the licensee) submitted proposed Technical Specification (TS) changes to Facility Operating License No. DPR-65 for the Millstone Nuclear Power Station, Unit 2 (Millstone 2). The proposed changes would require an additional Emergency Diesel Generator (EDG) Surveillance Requirement, 4.8.1.1.2.C.8, items a, b, and c, to be added to the Technical Specification Section 3/4.8, "Electrical Power Systems." The proposed change would require starting the EDG, with offsite power available, as a result of a Safety Injection Actuation Signal (SIAS).

2.0 EVALUATION

The staff has reviewed the proposed change submitted by the licensee as follows:

2.1 Addition to Existing TS Sections

The proposed surveillance requires verifying (once every operating cycle during refueling outage) that on an actual or simulated Safety Injection Actuation signal (SIAS) without a loss-of-offsite power:

- a. The diesel generator starts on the auto-start signal and operates on standby for greater than 5 minutes:
- b. The generator frequency and voltage shall reach 58.8 to 61.2 Hertz, and 3740 to 4580 VAC, and be maintained during this test.
- c. The diesel start time (time to reach 90% of rated speed and 97% of rated voltage) shall be less than or equal to 15 seconds.

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The licensee has proposed to add the above surveillance requirement to demonstrate starting the EDG, with offsite power available, as a result of an SIAS signal. The acceptance criteria a, b, and c are consistent with the acceptance criteria for the other start signals. This SIAS start feature will ensure that the EDG is capable of starting as a result of an accident without loss of offsite power, as assumed in the licensee's Main Steam Line Break re-analysis, and conforms with the practices of other similar plants. The proposed testing of the EDG will provide additional assurance of the EDG's ability to function as designed. In addition, the proposed TS change is consistent with the improved Standard Technical Specifications.

Based on the above evaluation, the staff concludes that the proposed change is acceptable.

In addition, the staff discovered a typographic error in the page numbering of the proposed TS page. This was corrected with the licensee's concurrence.

### 3.0 STATE CONSULTATION

In accordance with the Commission's regulations, the Connecticut State official was notified of the proposed issuance of the amendment. The State official had no comments.

### 4.0 ENVIRONMENTAL CONSIDERATION

The amendment changes surveillance requirements. The NRC staff has determined that the amendment involves no significant increase in the amounts, and no significant change in the types, of any effluents that may be released offsite, and that there is no significant increase in individual or cumulative occupational radiation exposure. The Commission has previously issued a proposed finding that the amendment involves no significant hazards consideration, and there has been no public comment on such finding (58 FR 67852). Accordingly, the amendment meets the eligibility criteria for categorical exclusion set forth in 10 CFR 51.22(c)(9). Pursuant to 10 CFR 51.22(b) no environmental impact statement or environmental assessment need be prepared in connection with the issuance of the amendment.

### 5.0 CONCLUSION

The Commission has concluded, based on the considerations discussed above, that: (1) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, (2) such activities will be conducted in compliance with the Commission's regulations, and (3) the issuance of the amendment will not be inimical to the common defense and security or to the health and safety of the public.

Principal Contributor: C. Thomas

Date: February 14, 1994