

December 24, 1985

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Docket No. 50-336

DISTRIBUTION:

Mr. John F. Opeka, Senior Vice President
Nuclear Engineering and Operations
Northeast Nuclear Energy Company
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Dear Mr. Opeka:

The Commission has issued the enclosed Amendment No.108 to Facility Operating License No. DPR-65 for Millstone Nuclear Power Station, Unit No. 2, in response to your application June 11, 1985.

This amendment eliminates the 18-month battery service test during every 60th month, since the more stringent performance discharge test is performed at that time.

A copy of our Safety Evaluation is also enclosed. The notice of issuance will be included in the Commission's next bi-weekly Federal Register notice.

Sincerely,

/S/

D. B. Osborne, Project Manager
Operating Reactors Branch #3
Division of Licensing

Enclosures:

- 1. Amendment No.108 to DPR-65
- 2. Safety Evaluation

cc w/enclosures:
See next page

PBD#8
PMKreutzer
12/1/85
12/13

PBD#8
DBOsborne
12/13/85

PBD#8 AT
ATHadani
12/17/85

OELD
12/24/85

Mr. John F. Opeka
Northeast Nuclear Energy Company

Millstone Nuclear Power Station
Unit No. 2

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

NORTHEAST NUCLEAR ENERGY COMPANY
THE CONNECTICUT LIGHT AND POWER COMPANY
THE WESTERN MASSACHUSETTS ELECTRIC COMPANY
DOCKET NO. 50-336
MILLSTONE NUCLEAR POWER STATION, UNIT NO. 2
AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 108
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 June 11, 1985, 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.

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PDR

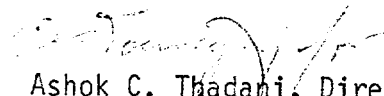
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment, and paragraph 2.C.(2) of Facility Operating License No. DPR-65 is hereby amended to read as follows:

(2) Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 108, 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.

FOR THE NUCLEAR REGULATORY COMMISSION


Ashok C. Thadani, Director
PWR Project Directorate #8
Division of PWR Licensing-B

Attachment:
Changes to the Technical
Specifications

Date of Issuance: December 24, 1985

ATTACHMENT TO LICENSE AMENDMENT NO.108

FACILITY OPERATING LICENSE NO. DPR-65

DOCKET NO. 50-336

Replace the following pages of the Appendix A Technical Specifications with the enclosed pages. The revised pages are identified by amendment number and contain vertical lines indicating the area of change. The corresponding overleaf pages are provided to maintain document completeness.

Remove Pages

3/4 8-9

Insert Pages

3/4 8-9

ELECTRICAL POWER SYSTEMS

SURVEILLANCE REQUIREMENTS (Continued)

2. The pilot cell specific gravity, corrected to 77°F, is ≥ 1.200 ,
 3. The pilot cell voltage is ≥ 2.08 volts, and
 4. The overall battery voltage is ≥ 125 volts.
- b. At least once per 92 days by verifying that:
1. The voltage of each connected cell is ≥ 2.08 volts under float charge, and
 2. The specific gravity, corrected to 77°F, of each cell is ≥ 1.200 .
- c. At least once per 18 months by verifying that:
1. The cells, cell plates and battery racks show no visual indication of physical damage or deterioration,
 2. The cell-to-cell and terminal connections are clean, tight, free of corrosion and coated with anti-corrosion material, and
 3. The battery charger will supply at least 800 amperes at a minimum of 130 volts for at least 8 hours.
- d. At least once per 18 months, during shutdown, by verifying that the battery capacity is adequate to supply and maintain in OPERABLE status all of the actual emergency loads for 8 hours when the battery is subjected to a battery service test.
- e. At least once per 60 months, during shutdown, by verifying that the battery capacity is at least 80% of the manufacturer's rating when subjected to a performance discharge test. This performance discharge test may be performed in lieu of the battery service test.



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

RELATED TO AMENDMENT NO.108 TO DPR-65

NORTHEAST NUCLEAR ENERGY COMPANY, ET AL.

MILLSTONE NUCLEAR POWER STATION, UNIT NO. 2

DOCKET NO. 50-336

1.0 INTRODUCTION

By letter dated June 11, 1985, Northeast Nuclear Energy Company (the licensee) proposed an amendment to the Technical Specifications appended to Facility Operating License No. DPR-65 for Millstone Nuclear Power Station, Unit 2.

The proposed revision to the Technical Specifications would change the second sentence of the existing item No. 4.8.2.3.2.e, which states: "This performance discharge test shall be performed subsequent to the satisfactory completion of the required battery service test." The revision reads: "This performance discharge test may be performed in lieu of the battery service test."

2.0 DISCUSSION AND EVALUATION

The present Millstone Unit 2 Technical Specification requires a performance discharge test to be performed subsequent to satisfactory completion of the required 18-month battery service test. The proposed change would allow the more stringent performance discharge test to be used in lieu of the 18-month battery service test, thus eliminating unnecessary testing that would result in reduced battery life expectancy.

The battery tests which the licensee must periodically perform to show battery capability and reliability are as follows: 1) Service Test, to verify that the battery capacity is adequate to supply and maintain in an operable status all of the actual or simulated emergency loads for the design; and 2) Performance Discharge Test to verify that the battery capacity is at least 80% of manufacturer's rating. Both tests incorporate the applicable recommendations found in the Industrial Code IEEE-Std-450. Both tests use a constant rate discharge technique. The battery manufacturer, C&D Batteries, states in the battery instruction manual No. 12-1980, 1976 that: "Normal qualification tests as discussed in IEEE-Std-450 are not harmful to the life of the battery, but repeated testing which discharges a battery many times in a relatively short period of time materially affects the long life typical of the original design of stationary batteries."

The proposed change is consistent with the Westinghouse PWR Standard Technical Specification (NUREG-0452, Revision 4, Section 4.8.2.1.e) which states: [demonstrated operable] "At least once per 60 months, during shutdown, by verifying that the battery capacity is at least 80% of the manufacturer's rating when subjected to a performance discharge test. Once per 60-month interval, this performance discharge test may be performed in lieu of the battery service test." Elimination of the 18-month battery service test is an Administrative function in that redundant testing during the interval when the 60-month performance discharge test is performed, becomes unnecessary. The 18-month battery service test would be done during outages that do not involve performing the 60-month performance discharge test.

Based on the above, the staff concludes that the proposed change: 1) is consistent with the Standard Technical Specifications for Westinghouse PWR plants, NUREG-0452; 2) adheres to industrial and manufacturer recommendations; and 3) is conservative in performing the performance discharge test in lieu of the service test. The staff, therefore, finds the licensee's proposed change to be acceptable.

3.0 ENVIRONMENTAL CONSIDERATION

This amendment involves a change in the installation or use of a facility component located within the restricted area as defined in 10 CFR Part 20. The 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 published a proposed finding that the amendment involves no significant hazards consideration and there has been no public comment on such finding. 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.

4.0 CONCLUSION

We have 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, and (2) such activities will be conducted in compliance with the Commission's regulations, and the issuance of the amendment will not be inimical to the common defense and security or to the health and safety of the public.

Date: December 24, 1985

Principal Contributors:

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