



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.

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