



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 §51.5(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