



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

NORTHEAST NUCLEAR ENERGY COMPANY

DOCKET NO. 50-245

MILLSTONE NUCLEAR POWER STATION, UNIT NO. 1

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 38
License No. DPR-21

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by Northeast Nuclear Energy Company (the licensee), dated August 8, 1989 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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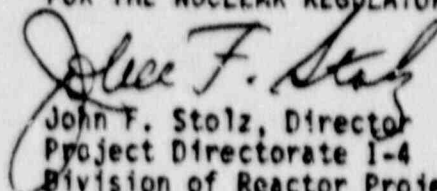
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment, and paragraph 2.C.(2) of Facility Operating License No. DPR-21 is hereby amended to read as follows:

(2) Technical Specifications

The Technical Specifications contained in Appendix A, as revised through Amendment No. 38, 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 1-4
Division of Reactor Projects - 1/11
Office of Nuclear Reactor Regulation

Attachment:
Changes to the Technical
Specifications

Date of Issuance: November 7, 1989

ATTACHMENT TO LICENSE AMENDMENT NO. 38

FACILITY OPERATING LICENSE NO. DPR-21

DOCKET NO. 50-245

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 areas of change.

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LIMITING CONDITION FOR OPERATION

3.5 CORE AND CONTAINMENT COOLING SYSTEMS

G. ULTIMATE HEAT SINK

1. The ultimate heat sink shall be OPERABLE with an average water temperature of less than or equal to 75°F at the Unit 1 intake structure, except when the reactor is in COLD SHUTDOWN OR REFUEL CONDITION.
2. If the requirements of 3.5.G.1 cannot be met, an orderly shutdown of the reactor shall be initiated and the reactor shall be in the COLD SHUTDOWN or REFUEL CONDITION WITHIN 24 hours.

SURVEILLANCE REQUIREMENT

4.5 CORE AND CONTAINMENT COOLING SYSTEMS

G. Surveillance of the Ultimate Heat Sink shall be performed as follows:

1. At least once per 24 hours by verifying the average water temperature at the Unit 1 intake structure to be within limits.
2. At least once per 6 hours by verifying the water temperature at the Unit 1 structure to be within limits when the average water temperature exceeds 70°F.

3.5 CORE AND CONTAINMENT COOLING SYSTEMS

BASES

A potential draining of the reactor vessel would allow this water to enter into the torus and after approximately 270,000 gallons accumulated (needed to meet minimum NPSH requirements for the LPCI and/or CS pumps) the torus would be able to serve as a common suction header. This would allow a closed loop operation of the LPCI or CS pumps after a realignment of these systems to the torus rather than the condensate storage tank is made.

During the time the vessel is open and CRD maintenance or fuel removal and replacement is underway the electrical sources of power will be: two onsite emergency power sources (gas turbine and a diesel generator) and one offsite power, or two sources of offsite power and one onsite emergency power source.

The single failure criterion is met by the utilization of two independent low pressure core cooling subsystems and the availability of the three independent power supplies at all times. With the worst single failure, loss of transfer bus number 7, a redundant LPCI or CS subsystem would still be available for service.

G. Ultimate Heat Sink

The limitations on the ultimate heat sink temperature ensures that sufficient cooling capacity is available to either 1) provide normal cooldown of the facility, or 2) to mitigate the effects of accident conditions within acceptable limits.