



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

METROPOLITAN EDISON COMPANY

JERSEY CENTRAL POWER & LIGHT COMPANY

PENNSYLVANIA ELECTRIC COMPANY

DOCKET NO. 50-289

THREE MILE ISLAND NUCLEAR STATION, UNIT NO. 1

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 56
License No. DPR-50

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by Metropolitan Edison Company, et al. (the licensee) dated March 13, 1978, 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.
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-50 is hereby amended to read as follows:

(2) Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 56, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

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3. This license amendment is effective as of the date of its issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



Robert W. Reid, Chief
Operating Reactors Branch #4
Division of Licensing

Attachment:
Changes to the
Technical Specifications

Date of Issuance: July 28, 1980

ATTACHMENT TO LICENSE AMENDMENT NO. 56

FACILITY OPERATING LICENSE NO. DPR-50

DOCKET NO. 50-289

Revise Appendix A as follows:

Remove pages

4-41

Insert pages

3-18c

4-41

3.1.12 Electromatic Relief Valve

Applicability

Applies to the settings, and conditions for isolation of the electromatic relief valve.

Objective

To prevent the possibility of inadvertently overpressurizing the primary loop.

Specification

3.1.12.1 The electromatic relief valve shall not be taken out of service, nor shall it be isolated from the system (except that the electromatic relief valve may be isolated to limit leakage to within the limits of specification 3.1.6.), unless one of the following is in effect:

- a. High Pressure Injection Pump breakers are racked out or MU-V16A/B/C/D and MU-V217 are closed.
- b. Head of the Reactor Vessel is removed.
- c. T avg. is above 320°F.

3.1.12.2 The electromatic relief valve settings shall be as follows, within the tolerances of ± 25 psi and $\pm 12^\circ\text{F}$:

Above 275°F - 2450 psig
Below 275°F - 485 psig

3.1.12.3 If the reactor vessel head is installed and T avg. is $\leq 275^\circ\text{F}$, High Pressure Injection Pump breakers shall not be racked in unless:

- a. MU-V16 A/B/C/D and MU-V217 are closed, and
- b. Pressurizer level is ≤ 220 inches.

Bases

If the electromatic relief valve is removed from service, sufficient measures are incorporated to prevent overpressurization by either eliminating the high pressure sources or flowpaths or assuring that the RCS is open to atmosphere. In order to prevent exceeding leakage rates specified in T.S. 3.1.6. the electromatic relief valve may be isolated.

The electromatic relief valve setpoints are specified with tolerances assumed in the bases for Technical Specification 3.1.2.

With RCS temperatures less than 275°F and the makeup pumps running, the high pressure injection valves are closed and the pressurizer level is maintained less than 220 inches to prevent overpressurization in the event of any single failure.

4.5.2 EMERGENCY CORE COOLING SYSTEM

Applicability

Applies to periodic testing requirement for emergency core cooling systems.

Objective

To verify that the emergency core cooling systems are operable.

Specification

4.5.2.1 High Pressure Injection

- a. During each refueling interval, system pumps and system high point vents shall be vented, and a system test shall be conducted to demonstrate that the system is operable.

After a satisfactory test of the Emergency loading sequence (4.5.1), the M. U. Pump and its required supporting auxiliaries will be started manually by the operator and a test signal will be applied to the High Pressure injection valves to demonstrate actuation of the high pressure injection system for emergency core cooling operation.

- b. The test will be considered satisfactory if the valves have completed their travel and the M.U. pumps are running as evidenced by the control board component operating lights, and either the station computer or pressure/flow indication.
- c. Testing which requires HPI flow thru MU-V16A/B/C/D shall be conducted only under either of the following conditions:
 - 1) T avg. shall be greater than 320°F.
 - 2) Head of the Reactor Vessel shall be removed.

4.5.2.2 Low Pressure Injection

- a. During each refueling period and following maintenance or modification that affects system flow characteristics, system pumps and high point vents shall be vented, and a system test shall be conducted to demonstrate that the system is operable. The auxiliaries required for low pressure injection are all included in the emergency loading sequence specified in 4.5.1.
- b. The test will be considered satisfactory if the decay heat pumps listed in 4.1.5.1b have been successfully started and the decay heat injection valves and the decay heat supply valves have completed their travel as evidenced by the control board component operating lights. Minimum acceptable flow must be greater than or equal to 2700 gpm per injection leg/LPI pump.