

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

METROPOLITAN EDISON COMPANY

DOCKET NO. 50-289

THREE MILE ISLAND NUCLEAR STATION, UNIT 1

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 8
License No. DPR-50

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by Metropolitan Edison Company (the licensee) dated May 7, 1975, 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; and
 - 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.
2. Accordingly, the license is amended by a change to the Technical Specifications as indicated in the attachment to this license amendment and Paragraph 2.C.(2) of Facility 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, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications as revised by issued changes thereto through Change No. 9."

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

FOR THE NUCLEAR REGULATORY COMMISSION

Daniel R. Muller

Daniel R. Muller, Assistant Director
for Environmental Projects
Division of Reactor Licensing

Attachment:
Change No. 8 to the
Technical Specifications

Date of Issuance: OCT 16 1975

ATTACHEMENT TO LICENSE AMENDMENT

AMENDMENT NO. 8 TO FACILITY OPERATING LICENSE NO. DPR-50

CHANGE NO. 8 TO TECHNICAL SPECIFICATIONS

METROPOLITAN EDISON COMPANY

THREE MILE ISLAND NUCLEAR STATION, UNIT 1

DOCKET NO. 50-289

Revise Appendix B as follows:

Remove pages 7 and 8; and insert the attached revised pages 7 and 8.
The changed areas on the revised pages are shown by marginal lines.

2.0 LIMITING CONDITIONS FOR OPERATION

2.2 Chemical

2.2.1 Chlorine

Objective

The purpose of this specification is to limit the discharge of chlorine to levels which are not harmful to the biota in the Susquehanna River.

Specification

- 8 | a. The total chlorine concentration, as measured at the plant river discharge, shall not exceed 0.2 ppm and the free chlorine component shall be less than 0.1 ppm except as discussed in b. below.
- b. For one consecutive 90 day period during the first two years of plant operation, the total residual chlorine concentration measured at the plant river discharge shall not exceed 0.5 ppm. The starting date for this 90 day period will be selected by the Metropolitan Edison Company and the Director of the Regional Operations Office notified before its commencement.

Monitoring Requirement

Objective

The purpose of this specification is to ensure that the chlorine concentration at the plant river water discharge is monitored in such a way as to assure compliance with Specification 2.2.1.

Specification

The total chlorine concentration shall be monitored and recorded continually at the plant river water discharge and in the cooling tower blowdown. Instruments employing the amperometric principle or instruments employing another method of equivalent accuracy and standardized against the amperometric method shall be used. If the automated monitoring equipment at the plant river water discharge is out of service, an analysis for chlorine concentration will be made daily during a chlorination period. The analysis shall be performed on samples taken at 10, 30, and 50 minutes following the start of the chlorination period.

- 8 | For a temporary period not exceeding two years, a reading of 1 ppm or less total residual chlorine

2.0 LIMITING CONDITIONS FOR OPERATION

Specification (Cont'd)

- c. The total duration of chlorine discharge to the river at levels greater than 0.01 ppm shall not exceed 2 hours per day.

Bases

Based on the AEC staff review, including as background an evaluation by William A. Brungs,*

*William A. Brungs, "Effects of Residual Chlorine on Aquatic Life," J. Water Pollution Control Federation, 45, 2180-93-(1973).

Specification (Cont'd)

in the cooling tower blowdown shall be taken as evidence that the concentration of chlorine originating in the blowdown is 0.01 ppm or less in the discharge to the river. During the 90-day period identified in part b of Specification 2.2.1, the plant operating staff or their agents shall determine the adequacy of the 1 ppm limit to assure the upper limit of 0.01 ppm in the discharge to the river. If the 1 ppm limit is found inadequate, or if the plant operators so elect, the operators shall submit a new limit on residual chlorine in the cooling tower blowdown to the AEC Office of Regulation for approval. If the 1 ppm limit is found inadequate, a new limit must be approved by the AEC Office of Regulation within two years of the start of operation of the plant. If the 1 ppm limit is found to be adequate, the plant operators shall submit evidence of this adequacy to the AEC Office of Regulation for concurrence within two years of the start of operation of the plant.

Bases

Monitoring residual chlorine at the discharge to the river will assure compliance with the