



UNITED STATES
ATOMIC ENERGY COMMISSION
WASHINGTON, D.C. 20545

METROPOLITAN EDISON COMPANY
JERSEY CENTRAL POWER AND LIGHT COMPANY
PENNSYLVANIA ELECTRIC COMPANY

(Three Mile Island Nuclear Station, Unit 1)

DOCKET NO. 50-289

FACILITY OPERATING LICENSE

License No. DPR-50

1. The Atomic Energy Commission (the Commission) having found that:
 - a. The application for license filed by the Metropolitan Edison Company, Jersey Central Power and Light Company and the Pennsylvania Electric Company (the licensees) 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 1 and all required notifications to other agencies or bodies have been duly made;
 - b. Construction of the Three Mile Island Nuclear Station, Unit 1 (the facility) has been substantially completed in conformity with Construction Permit No. CPPR-40, the application, as amended, the provisions of the Act and the rules and regulations of the Commission;
 - c. The facility will operate in conformity with the application, as amended, the provisions of the Act, and the rules and regulations of the Commission;
 - d. There is reasonable assurance: (1) that the activities authorized by this operating license can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the rules and regulations of the Commission;
 - e. Metropolitan Edison Company is technically qualified and the licensees are financially qualified to engage in the activities authorized by this operating license in accordance with the rules and regulations of the Commission;

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- f. The licensees have satisfied the applicable provisions of 10 CFR Part 140, "Financial Protection Requirements and Indemnity Agreements," of the Commission's regulations;
 - g. The issuance of this operating license will not be inimical to the common defense and security or to the health and safety of the public;
 - h. After weighing the environmental, economic, technical, and other benefits of the facility against environmental costs and considering available alternatives, the issuance of Facility Operating License No. DPR-50 is in accordance with 10 CFR Part 50, Appendix D, of the Commission's regulations and all applicable requirements of said Appendix D have been satisfied; and
 - i. The receipt, possession, and use of source, byproduct and special nuclear material as authorized by this license will be in accordance with the Commission's regulations in 10 CFR Parts 30, 40 and 70, including 10 CFR Section 30.33, 40.32, 70.23 and 70.31.
2. Facility Operating License No. DPR-50 is hereby issued to the Metropolitan Edison Company, Jersey Central Power and Light Company and Pennsylvania Electric Company to read as follows:
- a. This license applies to the Three Mile Island Nuclear Station, Unit 1, a pressurized water reactor and associated equipment (the facility), owned by the licensees and operated by Metropolitan Edison Company. The facility is located in Dauphin County, Pennsylvania and is described in the "Final Safety Analysis Report" as supplemented and amended (Amendments 1 through 47) and the Environmental Report as supplemented and amended (Amendments 1 and 2).
 - b. Subject to the conditions and requirements incorporated herein, the Commission hereby licenses:
 - (1) Metropolitan Edison Company, pursuant to Section 104b of the Act and 10 CFR Part 50, "Licensing of Production and Utilization Facilities," to possess, use, and operate the facility; and Jersey Central Power and Light Company and Pennsylvania Electric Company to possess the facility in accordance with the procedures and limitations set forth in this license;
 - (2) Metropolitan Edison Company, pursuant to the Act and 10 CFR Parts 30, 40 and 70 to receive, possess and use at any time any byproduct, source and special nuclear material as reactor fuel, sealed neutron sources for reactor startup, sealed sources for reactor instrumentation and radiation monitoring equipment calibration, and as fission detectors in amounts as required for reactor operation;

- (3) Metropolitan Edison Company, pursuant to the Act and 10 CFR Part 30 to receive, possess and use any time 100 millicuries each of any byproduct material without restriction to chemical or physical form, for sample analysis or instrument calibration;
 - (4) Metropolitan Edison Company, pursuant to the Act and 10 CFR Parts 40 and 70 to receive, possess and use any time 100 milligrams each of any source or special nuclear material without restriction to chemical or physical form, for sample analysis or instrument calibration;
 - (5) Metropolitan Edison Company, pursuant to the Act and 10 CFR Parts 30 and 70, to possess, but not separate, such byproduct and special nuclear materials as may be produced by the operation of the facility.
- c. This license shall be deemed to contain and is subject to the conditions specified in the following Commission regulations in 10 CFR Chapter I: Part 20, Section 30.34 of Part 30, Section 40.41 of Part 40, Section 50.54 and 50.59 of Part 50, and Section 70.32 of Part 70; is subject to all applicable provisions of the Act and to the rules, regulations, and orders of the Commission now or hereafter in effect; and is subject to the additional conditions specified or incorporated below:

(1) Maximum Power Level

Metropolitan Edison Company is authorized to operate the facility at steady state reactor core power levels not in excess of 2535 megawatts thermal. However, the operating power level of the plant is limited to 19% of rated power (480 MWt) until the sodium thiosulfate storage tank for the reactor building spray system is repaired and returned to service. This condition applies during the startup test program following the initial fuel loading of the reactor and is in force until the operability of the sodium thiosulfate tank is considered acceptable by the Commission. While this condition is in effect and the plant power is no greater than 19% of rated power, the requirements of Technical Specification Appendix A, 3.3.1.3b with respect to the sodium thiosulfate tank do not apply.

(2) Technical Specifications

The Technical Specifications contained in Appendices A and B attached hereto are hereby incorporated in this license. Metropolitan Edison Company shall operate the facility in accordance with these Technical Specifications.

- d. This license is effective as of the date of issuance and shall expire at midnight, May 18, 2008.

FOR THE ATOMIC ENERGY COMMISSION

Original Signed by
A. Giambusso

A. Giambusso, Deputy Director
for Reactor Projects
Directorate of Licensing

Attachment:
Appendices A and B - Technical
Specifications

Date of Issuance: APR 19 1974