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

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

DOCKET NO. 50-289

THREE MILE ISLAND NUCLEAR STATION, UNIT NO. 1

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 22
License No. DPR-50

1. The Nuclear Regulatory Commission (the Commission) has found that:

   A. The application for amendment by Metropolitan Edison Company, Jersey Central Power and Light Company, and Pennsylvania Electric Company (the licensees) dated June 3, 1976, 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.

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 Operating Reactors

Attachment:
Changes to the Technical
Specifications

Date of Issuance: November 8, 1976

ATTACHMENT TO LICENSE AMENDMENT NO. 22

FACILITY OPERATING LICENSE NO. DPR-50

DOCKET NO. 50-289

Revise Appendix B as follows:

Remove pages 64, 65, and 66 and insert attached pages 64, 65, and 66.

Changes on the revised pages are shown by marginal lines.

5.6.2 Non-Routine Reports

5.6.2.1 Radioactive Discharge

The non-routine reporting requirements for radioactive discharges are specified in Section 2.3 of the Environmental Technical Specifications.

5.6.2.2 Radiological Environmental Monitoring

a. Anomalous Measurements

(1) If a measured level of radioactivity in any environmental medium, other than those associated with gaseous radioiodine releases, exceeds ten times the mean of the preoperational/operational control station data, or lacking this value, ten times the applicable control station data, a written notification will be submitted within ten days, advising the NRC of this condition.[1] This notification should include an evaluation of any release conditions, environmental factors, or other aspects necessary to explain the anomalous result.

(2) If a measured level of radioactivity in any environmental medium, other than those associated with gaseous radioiodine releases, exceeds the Investigation Level, (section (b) below), the following action will be taken:

(a) Confirm data by:

(1) Recount same sample (if possible)

(2) Count second half (duplicate) of sample (if possible)

(3) If (1) and (2) is greater than Investigation Level (or if (1) & (2) are not feasible), then take a new sample (as representative as possible of the old sample) as soon as practicable.

[1] In case of a tentatively anomalous value for radiostrontium, a confirmatory reanalysis of the original, a duplicate or a new sample may be desirable. In this instance the results of the confirmatory analysis shall be completed at the earliest time consistent with the analysis, and if the high value is real, the report to the NRC shall be submitted within ten days following this analysis report.

(b) Investigation Level

Criteria for determining when a control station value has been exceeded:

(1) The control station value has not been exceeded if there is a 99.9% probability of its belonging to the background or control station data population distribution. This means that 0.1% of the time this value will be said to be different from the background, when in fact, it is not different.

(2) The limit for this criteria is expressed as: $(1\sigma \text{ of } \bar{X} \times 3.1)+\bar{X}$, where $\bar{X}$ is the mean and σ = one standard deviation. If the data point is greater than background + 3.1σ of background , then the Investigation Level has been reached.

b. Milk Pathway Measurements

If individual milk samples show I-131 concentrations of 10 picocuries per liter or greater, a plan will be submitted within one week advising the NRC of the proposed action to ensure the plant related annual doses will be within the design objective of 15 mrem/yr to the thyroid of any individual.

c. Anomalous Measurements Unattributable to the Licensed Plant

If levels of radiation can be definitely shown to result from sources other than the licensed plant (e.g. from testing of nuclear devices) by similar concentrations found in "background samples that could not be affected by emission from the licensed plant" the reporting actions in items a and b need not be taken. Justification for assigning high levels of radioactivity to sources other than the plant shall be provided in the annual report.

5.6.2.3 Nonradiological

In the event a Limiting Condition for Operation is exceeded, a report will be made within 24 hours by telephone and telegraph to the Office of Inspection and Enforcement - Region 1 followed by a written report within two weeks (cc to the Director of Nuclear Reactor Regulation).

The written report and, to the extent possible, the preliminary telephone and telegraph report, will:

1) Describe, analyze and evaluate the occurrence including extent and magnitude of the impact;

2) Describe the cause of the occurrence; and

3) Indicate the corrective action taken (including any significant changes made in procedures) to preclude repetition of the occurrence and to prevent similar occurrences involving similar components or systems.

5.6.2.4 Changes

1) When a change to the plant design, to the plant operation or to the procedures described in Section 5.5 is planned which would have a significant adverse effect on the environment or which involves an environmental matter or question not previously reviewed and evaluated by the NRC, a report on the change will be made to the NRC prior to implementation. The report will include a description and evaluation of the change including a supporting benefit-cost analysis.

2) Changes or additions to permits and certificates required by Federal, State, local and regional authorities for the protection of the environment will be reported. When the required changes are submitted to the concerned agency for approval, they will also be submitted to USNRC for information. The submittal will include an evaluation of the environmental impact of the change.

3) Requests for changes in Environmental Technical Specifications will be submitted to the USNRC for prior review and authorization. The request will include an evaluation of the impact of the change, including a supporting benefit-cost analysis.

5.6.2.5 Other

If harmful effects or evidence of irreversible damage are detected by the monitoring programs, the licensee shall provide an analysis of the problem and shall develop a course of action to be taken to alleviate the problems. If the ecology of the river significantly changes at a future date as, for example, by major changes in water chemistry or reintroduction of shad, the licensee shall provide an analysis of expected impacts and a course of action to minimize the impacts.

5.7 Records Retention

5.7.1 Records and logs relative to the following areas will be retained for the life of the plant.

a. Records and drawing changes reflecting plant design changes made to systems and equipment as described in Section 5.6.2.4.

b. Records of environmental surveillance data.

c. Records to demonstrate compliance with the Limiting Conditions for Operation in Section 2.

5.7.2 All other records and logs relating to the Environmental Technical Specifications shall be retained for 5 years.