

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. 9  
License No. DPR-50

1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The applications for amendment by Metropolitan Edison Company, Jersey Central Power and Light Company, and Pennsylvania Electric Company (the licensees) dated May 21, June 13, and June 20, 1975, comply 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:

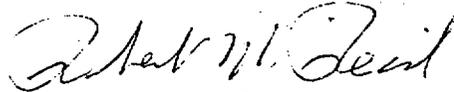


"(2) Technical Specifications

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 of the date of its issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



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

Attachment:  
Change No. 9 to the  
Technical Specifications

Date of Issuance: OCT 2 1975

ATTACHMENT TO LICENSE AMENDMENT

AMENDMENT NO. 9 TO FACILITY OPERATING LICENSE NO. DPR-50

CHANGE NO. 9 TO TECHNICAL SPECIFICATIONS

DOCKET NO. 50-289

Revise Appendix B as follows:

Remove pages 39, 40, and 63 and insert the attached revised pages.  
The changed areas on the revised pages are shown by marginal lines.

ENVIRONMENTAL SURVEILLANCE AND SPECIAL STUDIES

Biological

Aquatic

Objective

To define operational surveillance programs to assess the impact of station operation on the aquatic flora and fauna in the near-site environs. The following parameters will be checked during the program: Impingement of Organisms, Entrainment of Plankton, Fish Eggs and Fish Larvae, Fish Populations, and Macro-invertebrates.

Specification

A continuing impingement and entrainment biological surveillance program (A, B, and C) shall be conducted. The results will be reviewed at the end of the first year and the program modified on approval of the staff. The program will be terminated at the end of the second year unless the review of the first year's data indicates the need for additional data.

	<u>Sample Frequency</u>	<u>Sample Location</u>	<u>Method of Sampling</u>	<u>Method of Analysis</u>
Impingement	Semi-monthly at 4-hour intervals over a 24-hour period	Traveling Screen	Removal from intake screens	Counting, determination of reproductive status and condition of organisms, and identification to the lowest feasible taxon. Total weight and fork length ranges of each taxon identified will be recorded. A continuing record will be maintained to allow comparison of variation of numbers with time.
Entrainment of Fish Eggs and Fish Larvae	Semi-monthly 4-hour intervals over a 24-hour period during April through October.	Intake and Discharge	Pumping	Counting and determination of extent of mortality, identification to the lowest feasible taxon. A continuing record will be maintained to allow comparison of variation of numbers with time.

C. Entrainment of Plankton	Semi-monthly at 4-hour intervals over a 24-hour period during April thru October	Intake and Discharge	Pumping	Counting and determination of extent of Zooplankton mortality identification to the lowest feasible taxon. A continuing record will be maintained to allow comparison of variation of numbers with time.
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A continuing aquatic population surveillance program (D and E) shall be conducted during the first three years of operation. The results will be reviewed at the end of the first 30 months and the program terminated at the end of three years unless the results of the review indicate the need for additional data.

D. Fish	Every Two weeks, March through October	At locations indicated on Figure 1	Trap nets and Shoreline Seining	Counting, identification to the lowest feasible taxon, weighing, determination of reproduction status and condition. A continuing record will be maintained to allow comparison of variation of numbers with time. Replicate samples will be taken both inside and outside the thermal plume.
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E. Macro-Invertebrates	Semi-monthly April thru October	At location indicated on Figure 1.	Notes and dredges	Counting and identification to the lowest feasible taxon. A continuing record will be maintained to allow comparison of variation of numbers with time. Replicate samples will be taken both inside
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- j. Liquid and gaseous release operating procedure.
- k. Reactor trip emergency procedure.
- l. Loss of reactor coolant or reactor coolant pressure emergency procedure.
- m. Post accident H<sub>2</sub> purge procedure.

5.5.3 All procedures described above and all changes thereto will be reviewed periodically under the cognizance of the Manager-Generation Engineering; however, temporary changes to these procedures which do not change the intent of the original procedure may be made providing such changes are approved by two members of the Plant Management Staff. Such procedure change approval will be documented.

## 5.6 Plant Reporting Requirements

### 5.6.1 Routine Reports

A report on environmental surveillance programs for the previous six months' operations will be submitted as part of the Semiannual Operating Report within 60 days after January 1 and July 1 of each year. The first such period will begin with the date of initial criticality. The report will be a summary of results of the environmental activities for the six month period and an assessment of the observed impacts of the plant operation on the environment.

Individual environmental samples which show significantly higher than normal levels which were reported in accordance with 5.6.2.b will be noted in the report. Results of all radiological environmental samples taken shall be summarized for inclusion in the semiannual report. In the event that some results are not available within the 60 day period, the report will be submitted noting and explaining the reasons for the missing data. The missing data shall be submitted as soon as possible in a supplementary report.

The report will include a summary of the quantities of radioactive effluents released from the plant as outlined in USAEC Regulatory Guide 1.21 with data summarized on a monthly basis following the format of Appendix A thereof. If statistically significant variations of offsite environmental radionuclide concentrations with time are observed, a comparison of these results with effluent releases shall be provided.