



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

CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.

DOCKET NO. 50-3

INDIAN POINT NUCLEAR GENERATING UNIT NO. 1

AMENDMENT TO PROVISIONAL OPERATING LICENSE

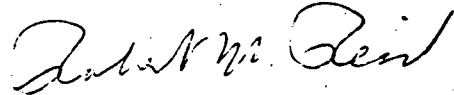
Amendment No. 14  
License No. DPR-5

1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment by Consolidated Edison Company of New York, Inc. (the licensee) sworn to December 28, 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.

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

FOR THE NUCLEAR REGULATORY COMMISSION

A handwritten signature in cursive script, appearing to read "Robert W. Reid".

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

Attachment:  
Changes to the Technical  
Specifications

Date of Issuance: December 30, 1976

ATTACHMENT TO LICENSE AMENDMENT NO. 14

PROVISIONAL OPERATING LICENSE NO. DPR-5

DOCKET NO. 50-3

Replace the existing pages of the Appendix B Technical Specifications listed below with the attached revised pages bearing the same numbers. Changes on these pages are shown by marginal lines.

Pages

4-35

4-35a (new)

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#### 4.0 ENVIRONMENTAL SURVEILLANCE PROGRAMS

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the impinged fish population shall be performed to estimate species number, size and weight. Such subsampling will consist of measuring and weighing at least 10% of the total impinged population of each species. Species selected for subsampling will be representative of the range of sizes collected in the trash basket. The monitoring program shall consist of washing down the fixed screens at least once per day and running all travelling screens approximately 15-30 minutes during each 8-hour shift. The estimated number and species of fish washed off the fixed screens which do not enter the forebay shall be estimated each day and recorded separately. Running the travelling screens at the time the fixed screens are raised and backwashed shall be carried out.

- (ii) If the number of fish collected as determined in (i) above exceeds 10,000 per day for seven consecutive days or 30,000 per day for three consecutive days or 40,000 in a single day, immediate corrective action shall be taken to reduce the number to below these levels. This limit shall apply to the total number of fish impinged at Unit Nos. 1, 2 and 3

together. The fish collected at Unit 1 shall not be included in the total station counts and shall not apply to the environmental protection conditions described in this paragraph when the submerged Weir Feasibility Study is being conducted.

- (iii) The causes of fish impingement shall be evaluated, including the magnitude of the approach or intake velocity. During the first 180 days after issuance of an operating license for steady-state power, the water velocity profile across the fixed screens shall be characterized in a manner similar to that provided by the licensee in testimony in the ASLB hearing (Reference 4.1-23). Velocity determinations shall be made at full flow and reduced flow and shall include measurements from at least four intake forebays, one forebay area at the north and one at the south, and two in the middle of the intake structure. Measurement at each forebay shall be made as close as possible to the outer fixed screens and include at least four determinations over a tidal cycle (high and low tide shall be included). The results of the velocity profile study shall be submitted in the first semi-annual operating report for Unit No. 2 operation and shall include a detailed description of the study, methodology, procedures used, results and locations of the effects on the fishery.

- (iv) Operational experience of the air bubbler to prevent fish from being attracted to the intake screens and the effectiveness to reduce impingement by other fish protection devices shall be documented and evaluated in the semi-annual operating report. Operating procedures shall be developed for air bubblers to obtain the optimum mode of performance for meeting the intended purposes of keeping fish away from the intake screens.

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#### 4.0 ENVIRONMENTAL SURVEILLANCE PROGRAMS

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- (v) A study of the effectiveness of a submerged weir in reducing impingement is to be performed as described in References 4.1-26 and 4.1-27. The NRC shall be notified within 24 hours of initiation of the test. The maximum duration of it shall be 180 days. The tasks (Task 1 and Task 2) in Reference 4.1-26 do not apply and are replaced by the following:

**Task.** - Monitor fish impingement at Unit No. 1 for twenty three-day periods (60 days total), alternating periods with and without partially blocked intakes. The flow rate through Unit No. 1 intake shall be maintained constant during the study. The study will be terminated prior to 180 days only if the data collected show that the blockage is not effective in reducing impingement, or if the total number of fishes impinged on any one day exceeds 6,000. Fish impingement shall be monitored in accordance with Environmental Technical Specifications.