

Docket No. 50-247

November 13, 1985

DISTRIBUTION

Docket File

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RBallard

Dear Mr. O'Toole:

The Commission has issued the enclosed Amendment No.103 to Facility Operating License No. DPR-26 for the Indian Point Nuclear Generating Unit No. 2. The amendment consists of changes to the Technical Specifications in response to your application transmitted by letter dated August 6, 1985.

The amendment revises the Technical Specifications to include a provision for utilizing a temporary closure plate in place of the equipment door during refueling. Consolidated Edison requested the revision to improve the efficiency of refueling related work. The temporary closure door will provide penetrations for temporary services which will enable many maintenance activities to be performed while maintaining integrity during core alterations or fuel movement.

A copy of the related Safety Evaluation is enclosed. A Notice of Issuance will be included in the Commission's next regular bi-weekly Federal Register notice.

Sincerely,

/s/MSlosson

Marylee M. Slosson, Project Manager  
Operating Reactors Branch #1  
Division of Licensing

Enclosures:

- 1. Amendment No. 103 to DPR-26
- 2. Safety Evaluation

cc: w/enclosures  
See next page

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BC-ORB#1:DL  
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M. KARMAN  
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AD:OR:DL  
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Indian Point Nuclear Generating  
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UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.

DOCKET NO. 50-247

INDIAN POINT NUCLEAR GENERATING UNIT NO. 2

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 103  
License No. DPR-26

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) dated August 6, 1985, 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, and paragraph 2.C.(2) of Facility Operating License No. DPR-26 is hereby amended to read as follows:

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(2) Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No.103, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

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

FOR THE NUCLEAR REGULATORY COMMISSION

  
Steven A. Varga, Chief  
Operating Reactors Branch #1  
Division of Licensing

Attachment:  
Changes to the Technical  
Specifications

Date of Issuance: November 13, 1985

ATTACHMENT TO LICENSE AMENDMENT

AMENDMENT NO. 103 TO FACILITY OPERATING LICENSE NO. DPR-26

DOCKET NO. 50-247

Revise Appendix A as follows:

Remove Page

3.8-1

Insert Page

3.8-1

### 3.8 REFUELING

#### Applicability

Applies to operating limitations during refueling operations.

#### Objective

To ensure that no incident could occur during refueling operations that would adversely affect public health and safety.

#### Specification

- A. During refueling operations, the following conditions shall be satisfied:
1. The equipment door, or a closure plate that restricts direct air flow from the Containment, and at least one personnel door in the equipment door or closure plate and in the personnel air lock shall be properly closed. In addition, at least one isolation valve shall be operable or locked closed in each line penetrating the containment and which provides a direct path from containment atmosphere to the outside.
  2. Radiation levels in the containment and spent fuel storage areas shall be monitored continuously.
  3. The core subcritical neutron flux shall be continuously monitored by the two source range monitors, each with continuous visual indication in the control room and one with audible indication in the containment available whenever core geometry is being changed. When core geometry is not being changed, at least one source range neutron flux monitor shall be in service.



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION  
RELATED TO AMENDMENT NO. 103 TO FACILITY OPERATING LICENSE NO. DPR-26  
CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.  
INDIAN POINT NUCLEAR GENERATING UNIT NO. 2  
DOCKET NO. 50-247

Introduction

By letter dated August 6, 1985 Consolidated Edison requested a revision to the Indian Point Nuclear Generating Unit No. 2 Technical Specifications to include a provision for utilizing a temporary closure plate during refueling. Consolidated Edison requested the revision to improve the efficiency of refueling related work. The temporary closure plate will provide penetrations for temporary services which will enable many maintenance activities to be performed while maintaining integrity during core alterations or fuel movement.

Discussion and Evaluation

The current Indian Point Unit 2 technical specification 3.8.A.1 requires that the equipment door and at least one door in each personnel air lock be properly closed during refueling. This requirement has been imposed to ensure a barrier that will restrict direct containment release and will withstand slight (if any) pressures in the event of an accident. During refueling operations, the reactor is cooled below 140°F, is depressurized and open to the containment, and is flooded with additional water. Even if a fuel handling accident inside the containment does occur, the impact and damage of fuel assembly takes place under water. Under these conditions there is no potential for a rapid release of energy to the containment which might cause an increase in pressure. Therefore, there is no need for closures designed to withstand accident pressure resulting from the release of large amounts of primary or secondary coolant typical of such accidents while at power.

By letter dated October 9, 1985, the licensee indicated that the proposed temporary closure plate will be a carbon steel plate that is 3/8" thick, capable of withstanding a three psi differential pressure, and is seismically designed. This plate and its penetrations will be properly sealed providing the same safety margin as that of the equipment door for the fuel handling accident by restricting direct containment leakage to the environment.

Based on the design and projected use of the proposed temporary closure plate, the staff concludes that the assumptions set forth in its Safety Evaluation Report, dated December 27, 1983, remain unchanged and, therefore, the staff concludes that the proposed change is acceptable.

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Environmental Consideration

This amendment involves a change in the installation or use of a facility component located within the restricted area as defined in 10 CFR Part 20. The staff has determined that the amendment involves no significant increase in the amounts, and no significant change in the types, of any effluents that may be released offsite, and that there is no significant increase in individual or cumulative occupational radiation exposure. The Commission has previously issued a proposed finding that this amendment involves no significant hazards consideration and there has been no public comment on such finding. Accordingly, this amendment meets the eligibility criteria for categorical exclusion set forth in 10 CFR Sec 51.22(c)(9). Pursuant to 10 CFR 51.22(b) no environmental impact statement or environmental assessment need be prepared in connection with the issuance of this amendment.

Conclusion

We have concluded, based on the considerations discussed above, that: (1) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, and (2) such activities will be conducted in compliance with the Commission's regulations and the issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public.

Dated: November 13, 1985

Principal Contributor:

A. Chu