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Docket No. 50-247

Mr. John D. O'Toole, Vice President
 Nuclear Engineering and Quality Assurance
 Consolidated Edison Company
 of New York, Inc.
 4 Irving Place
 New York, New York 10003

Dear Mr. O'Toole:

The Commission has issued the enclosed Amendment No. 80 to Facility Operating License No. DPR-26 for the Indian Point Nuclear Generating Unit No. 2. This amendment consists of changes to the Technical Specifications in response to your telecopy requested transmitted September 3, 1982, and confirmed by follow-up letter dated September 13, 1982. This amendment was authorized on by telephone on September 3, 1982 and confirmed by letter dated September 7, 1982.

The amendment, on a one-time only basis, modifies the Technical Specifications to allow the plant to remain in hot shutdown for a total of 5 days while repairing fan cooler unit 24.

Copies of the Safety Evaluation and the Notice of Issuance are also enclosed.

Sincerely,

ORIGINAL SIGNED

John N. Hannon, Project Manager
 Operating Reactors Branch #1
 Division of Licensing

Enclosures:

1. Amendment No. 80 to DPR-26
2. Safety Evaluation
3. Notice of Issuance

cc w/enclosures:
 See next page

*McGinnis
 Amendment
 Notice only - note
 typed - on amendment
 (11/19/82)*

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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. 80
License No. DPR-26

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The telecopy request for amendment by Consolidated Edison Company of New York, Inc. (the licensee) dated September 3, 1983, and follow-up letter dated September 13, 1982, 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 telecopy request, 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.

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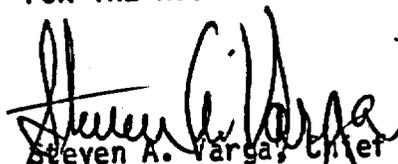
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment, and paragraph 2.C.(2) of Facility Operating License No. DPR-26 is hereby amended to read as follows:

(2) Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 80, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

3. This license amendment was effective September 3, 1982.

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: October 20, 1982

ATTACHMENT TO LICENSE AMENDMENT NO. 80

FACILITY OPERATING LICENSE NO. DPR-26

DOCKET NO. 50-247

Revise Appendix A as follows:

Remove Page

3.3-4

Insert Page

3.3-4

requirements of 3.3.B-1 within the time period specified, the reactor shall be placed in the hot shutdown condition utilizing normal operating procedures. If the requirements of 3.3.B-1 are not satisfied within an additional 48 hours, the reactor shall be placed in the cold shutdown condition utilizing normal operating procedures.*

- a. Fan cooler unit 23, 24, or 25 may be non-operable during normal reactor operation for a period not to exceed 24 hours, provided both containment spray pumps are demonstrated to be operable.

OR

Fan cooler unit 21 or 22 may be non-operable during normal reactor operation for a period not to exceed 7 days provided both containment spray pumps are demonstrated daily to be operable.

- b. One containment spray pump may be out of service during normal reactor operation, for a period not to exceed 24 hours, provided the five fan cooler units are operable and the remaining containment spray pump is demonstrated to be operable.
- c. Any valve required for the functioning of the system during and following accident condition may be inoperable provided it is restored to operable status within 24 hours and all valves in the system that provide the duplicate function are demonstrated to be operable.

C. Isolation Valve Seal Water System (IVSWS)

1. The reactor shall not be brought above cold shutdown unless the following requirements are met:
 - a. The IVSWS shall be operable.
 - b. The IVSW tank shall be maintained at a minimum pressure of 52 psig and contain a minimum of 144 gallons of water.

*One time only exemption for fan cooler unit 24, the 48 hour action statement for the hot shutdown condition may be extended for a period of 3 days ending 11:59 p.m. September 7, 1982.



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION
RELATED TO AMENDMENT NO. 80 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 teletype request dated September 3, 1982, Consolidated Edison Company of New York, Inc. (the licensee) requested a temporary change to the Indian Point Unit 2 Technical Specifications. This amendment would grant on a one-time-only basis modifications to the Technical Specifications to allow the plant to remain in hot shutdown for a total of 5 days while repairing fan cooler unit 24. Information provided by telephone was documented by a follow-up letter dated September 13, 1982.

Background

Containment cooling at Indian Point Unit 2 consists of 5 fan cooler units and two trains of containment spray lines. Fan cooler unit 24 was declared inoperable on September 2, 1982 due to a sheared motor-to-fan coupling. The plant Technical Specifications (Section 3.3B-1) requires the unit to be placed in a hot shutdown condition; and if the repairs take longer than 48 hours, the plant is to be placed in a cold shutdown condition. The plant was placed in hot shutdown. Plant maintenance personnel estimated that it would take longer than 48 hours to repair the fan unit. After evaluating the situation, the licensee has requested extension to the Technical Specifications to allow the plant to remain in hot shutdown vice requiring proceeding to cold shutdown for a total of 5 days while repairing fan cooler unit 24.

Discussion

The Limiting Condition for Operation (LCO) for containment cooling and iodine removal systems is based on having available the capability to remove sufficient amounts of energy and iodine activity from containment following the design basis loss of coolant accident. This LCO ultimately serves to ensure that containment pressure remains below its design value. Maintaining the containment integrity will ensure that thyroid doses to personnel will remain within the limits of 10 CFR 100.

The FSAR Chapter 14 Safety Analysis for containment integrity evaluates containment pressure for a loss of coolant accident with a most limiting single failure. The FSAR analysis indicates that containment pressure will not reach the design value (47 psig) under these conditions and the resulting containment cooling capability consists of one containment spray pump and three containment cooling fans. This forms the basis for the present Technical Specifications. The proposed Technical Specification request would result in one containment spray pump and only two containment cooling fans under the same circumstances as presented in the FSAR analysis.

The licensee's basis for this Technical Specification change includes a statement that a re-evaluation of the FSAR analysis was conducted using conservative methods and it revealed that the reduced cooling capability is still sufficient to maintain pressure below 47 psig. The details of the re-evaluation were discussed by telephone with the licensee. The licensee's methodology and inputs are considered conservative and, therefore, provides a reasonable basis to justify this Technical Specification change. The analysis is even further conservative in that it assumes the plant is operating at 100% power when the accident occurs and that plant is presently in a hot shutdown condition.

The staff has also compared the licensee's custom Technical Specifications with NRC's Standard Technical Specifications (STS) recommended for Westinghouse Pressurized Water Reactors (NUREG-0452 Rev. 4) for containment cooling fans. Basically the STS would allow continued power operation with one fan inoperable for up to seven days before requiring shutdown. The licensee's proposal to remain in hot shutdown for 5 days with one fan inoperable is more conservative than the STS and is acceptable.

Environmental Consideration

We have determined that the amendment does not authorize a change in effluent types or total amounts nor an increase in power level and will not result in any significant environmental impact. Having made this determination, we have further concluded that the amendment involves an action which is insignificant from the standpoint of environmental impact and, pursuant to 10 CFR §51.5(d)(4), that an environmental impact statement or negative declaration and environmental impact appraisal need not be prepared in connection with the issuance of this amendment.

Conclusion

We have concluded, based on the considerations discussed above, that: (1) because the amendment does not involve a significant increase in the probability or consequences of an accident previously evaluated, does not create the possibility of an accident of a type different from any evaluated previously, and does not involve a significant reduction in a margin of safety, the amendment does not involve a significant hazards consideration, (2) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, and (3) 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.

Date: October 20, 1982

Principal Contributors:

M. Caruso
D. Brinkman
S. Newberry
J. Thoma

UNITED STATES NUCLEAR REGULATORY COMMISSIONDOCKET NO. 50-247CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.NOTICE OF ISSUANCE OF AMENDMENT TO FACILITY
OPERATING LICENSE

The U. S. Nuclear Regulatory Commission (the Commission) has issued Amendment No. 80 to Facility Operating License No. DPR-26, issued to the Consolidated Edison Company of New York, Inc. (the licensee) which revised Technical Specifications for operation of the Indian Point Nuclear Generating Unit No. 2 (the facility) located in Buchanan, Westchester County, New York. The amendment was effective September 3, 1982.

The amendment on a one-time only basis modifies the plant Technical Specifications to allow the plant to remain in hot shutdown for a total of 5 days while repairing fan cooler unit 24. The amendment was authorized by telephone on September 3, 1982 and confirmed by letter dated September 7, 1982.

The application for the amendment complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations. The Commission has made appropriate findings as required by the Act and the Commission's rules and regulations in 10 CFR Chapter I, which are set forth in the license amendment. Prior public notice of this amendment was not required since the amendment does not involve a significant hazards consideration.

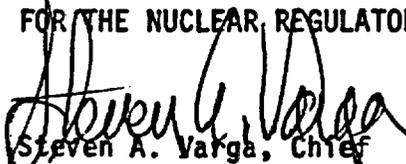
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The Commission has determined that the issuance of this amendment will not result in any significant environmental impact and that pursuant to 10 CFR §51.5(d)(4) an environmental impact statement or negative declaration and environmental impact appraisal need not be prepared in connection with issuance of this amendment.

For further details with respect to this action, see (1) the telecopy request for amendment dated September 3, 1982, and follow-up letter dated September 13, 1982, (2) the Commission's letter to the licensee dated September 7, 1982, (3) Amendment No. 80 to License No. DPR-26, and (4) the Commission's related Safety Evaluation. All of these items are available for public inspection at the Commission's Public Document Room, 1717 H Street, N.W., Washington, D.C. and at the White Plains Public Library, 100 Martine Avenue, White Plains, New York. A copy of items (2), (3) and (4) may be obtained upon request addressed to the U. S. Nuclear Regulatory Commission, Washington, D.C. 20555, Attention: Director, Division of Licensing.

Dated at Bethesda, Maryland, this 20th day of October, 1982.

FOR THE NUCLEAR REGULATORY COMMISSION


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