

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

In the Matter of)
)
CONSOLIDATED EDISON COMPANY) Docket No. 50-247
OF NEW YORK, INC.)
(Indian Point Station,)
Unit No. 2))

APPLICATION FOR AMENDMENT TO
OPERATING LICENSE

Pursuant to Section 50.90 of the Regulations of the Nuclear Regulatory Commission, Consolidated Edison Company of New York, Inc., ("Consolidated Edison"), as holder of Facility Operating License No. DPR-26, hereby applies for amendment of the Fire Protection Safety Evaluation (SE) referenced in paragraph 2.I of that license and amendment of the Technical Specifications contained in Appendix A of that license.

Specifically, it is requested that paragraphs 3.1.12, 3.1.25, 4.4.1 and 5.4.6 of the NRC's Fire Protection Safety Evaluation (SE) be modified to delete certain modification requirements which have been determined to be no longer required. In addition, it is requested that technical specifications 3.13, 4.14 and 6.0 be modified to incorporate limiting conditions for operation (LCOs) and surveillance requirements for additional fire detectors, hose stations and water supply capability, currently

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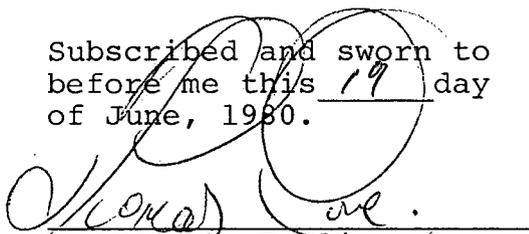
scheduled for installation during 1980 and early 1981, and to effect an administrative modification. These proposed Technical Specification changes are being submitted in response to the January 31, 1979 letter from Mr. A. Schwencer (NRC) to Mr. William J. Cahill, Jr. (Consolidated Edison) which forwarded the NRC's Fire Protection Safety Evaluation (SE).

The details and justification for the proposed revisions to the Fire Protection Safety Evaluation (SE) are set forth in Attachment A to this Application. The specific proposed Technical Specification page revisions are set forth in Attachment B to this Application. A Safety Evaluation of the proposed changes is set forth in Attachment C to this Application. This evaluation demonstrates that the proposed changes do not represent a significant hazards consideration and will not cause any change in the types or an increase in the amounts of effluents or any change in the authorized power level of the facility.

CONSOLIDATED EDISON COMPANY
OF NEW YORK, INC.

By: 
William J. Cahill, Jr.
Vice President

Subscribed and sworn to
before me this 19 day
of June, 1980.


Notary Public

THOMAS LOVE
Notary Public State of New York
No. 31-2409638
Qualified in New York County
Commission Expires March 30, 1981

ATTACHMENT A

Fire Protection Safety
Evaluation (SE) Revisions

Consolidated Edison Company of New York, Inc.

Indian Point Unit No. 2

Docket No. 50-247

June, 1980

Paragraph 2.I of the Indian Point Unit No. 2 Facility Operating License No. DPR-26 states in part that:

"The licensee may proceed with and is required to complete the modifications identified in Paragraphs 3.1.1 through 3.1.25 of the NRC's Fire Protection Safety Evaluation (SE) on the facility dated January 31, 1979."

It has been determined that two originally planned modifications, which are addressed in the NRC's Fire Protection Safety Evaluation (SE), are no longer required. Accordingly, Consolidated Edison requests a license amendment in the form of a revision to the NRC Fire Protection SE to delete the requirements for completion of the modifications. The details of the proposed modifications and justification for their deletion are provided below:

I. Modifications to Ventilation System Penetrations in Indian Point Unit No. 1 Stairwells (SE Paragraph 3.1.25 - items (9) and (10))

As discussed in SE Paragraph 3.1.25 and also in Section 10.2.11 of Consolidated Edison's Indian Point Fire Protection Program (IPFPP), dated April 1977, modifications were proposed for eliminating ventilation openings and establishing fire-rated enclosures for ventilation ducts for Stairwells Nos. 8 and 9 in the Unit No. 1 Chemical Systems Building and Stairwell No. 1 in the Unit No. 1 Nuclear Service Building. These modifications were originally planned as part of the long-term fire protection upgrading program for Unit No. 1 and do not impact on fire protection for Unit No. 2. Furthermore, since Consolidated Edison has decided to retire Unit No. 1, these upgrading modifications are no longer required.

Although the proposed modifications were solely part of the Unit No. 1 fire protection evaluation, they were described in the NRC's Fire Protection Safety Evaluation (SE) for Unit No. 2. Therefore, Consolidated Edison requests that items (9) and (10) of Paragraph 3.1.25 of the Unit No. 2 Fire Protection SE be deleted.

II. Exhaust Fan in North Wall of the Indian Point Unit No. 2 Cable Spreading Room (SE Paragraphs 3.1.12 - item (2), 4.4.1 and 5.4.6)

As discussed in the referenced SE paragraphs and also in Section 10.3.11 of Consolidated Edison's IPFPP, modifications were proposed for installing a new propeller exhaust fan in the north wall of the Unit No. 2 Cable Spreading Room for smoke removal purposes. The fan was originally proposed to meet Guideline D.4(a) of NRC Branch Technical Position 9.5-1 which noted that: "The products of combustion that need to be removed from a specific fire area should be evaluated to determine how they will be controlled."

Ventilation of the Unit No. 2 Cable Spreading Room is now provided by one of the two electrical tunnel exhaust fans which are rated at 21,000 cfm each. This exhaust system has been sized such that only one fan is needed to provide the required ventilation, while the second fan is maintained as a standby unit.

A single fan can ventilate the combined Cable Spreading Room and electrical tunnel areas at a rate of 3.44 cfm/sq. ft. This rate exceeds BTP-9.5-1 Guideline D.4(g) which notes that forced-convection smoke and heat vents should provide at least 300 cfm for every 200 sq. ft. of floor area (i.e., 1.5 cfm/sq. ft.).

In reviewing the existing system design, it has been concluded that:

1. The existing tunnel ventilation system is more than adequate for the removal of smoke from the Cable Spreading Room.
2. The capacity of the existing tunnel ventilation system exceeds the Commission's guidelines for smoke removal vents by more than a factor of 2.
3. The existing tunnel ventilation system will draw smoke out of the Cable Spreading Room in a direction which is directly opposite from the point of personnel entry. This feature is significant in providing for early access by the fire brigade and in preventing secondary flashback.
4. Drawing of smoke from the Cable Spreading Room into the electrical tunnel will not have any harmful effect on the cables in the tunnel.

Based on the above conclusions, it has been determined that an additional fan for smoke removal is not required. Therefore, Consolidated Edison requests that the Fire Protection SE be revised to delete item (2) of Paragraph 3.1.12 and to delete those portions of Paragraphs 4.4.1 and 5.4.6 which address the subject exhaust fan.