

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 (NRC), Consolidated Edison Company of New York, Inc. (Consolidated Edison), as holder of Facility Operating License No. DPR-26, hereby applies for amendment of the Technical Specifications contained in Appendix A of that license.

Specifically, we request that Technical Specifications 3.13 and 4.14 be modified to incorporate limiting conditions for operation (LCOs) and surveillance requirements for additional fire detectors and a Cable Spreading Room Halon System currently scheduled for installation during 1979. These proposed 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 Regulatory Staff's Indian Point Unit No. 2 Fire Protection Safety Evaluation Report (SER).

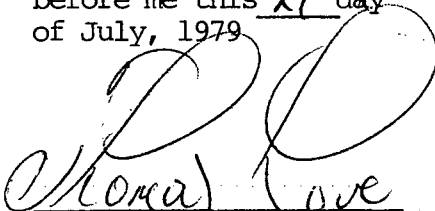
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The specific proposed Technical Specification revisions are set forth in Attachment A to this Application. A Safety Evaluation of the proposed changes is set forth in Attachment B to this Application. This evaluation demonstrates that the proposed 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 27 day
of July, 1979


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

Technical Specification

Page Revisions

Consolidated Edison Company of New York, Inc.

Indian Point Unit No. 2

Docket No. 50-247

July, 1979

D. Fire Detection Systems

1. As a minimum, the fire detection instrumentation for each location shown in Table 3.13-1 shall be operable whenever equipment in that location is required to be operable.
2. With the number of operable fire detection instruments less than the minimum required by Table 3.13-1:
 - a. A fire watch patrol shall be established within 1 hour where accessibility permits to inspect the location(s) with less than the minimum operable instrumentation at a frequency of at least once per hour.
 - b. The minimum operable instrumentation required in Table 3.13-1 shall be restored within 14 days or a Special Report shall be prepared and submitted to the Commission pursuant to specification 6.9.2.d within the next 10 days outlining the cause of the malfunction and the plans for restoring the instrumentation to operable status.

E. Fire Hose Stations

1. The following fire hose stations shall be operable whenever equipment in the area is required to be operable:
 - a. Hose Station - Stairwell No. 3
(Control Building: El. - 15')
 - b. Hose Station - Stairwell No. 3
(Control Building: El. - 33')
 - c. Hose Station - Stairwell No. 3
(Control Building: El. - 53')
 - d. Hose Station - Stairwell - East End of Control Building
(Control Building: El. - 53')
 - e. Fire hydrant No. 27 and associated hose house with fire hose and nozzles to serve the diesel generator building.
 - f. Fire hydrant No. 25 and associated hose house and nozzles to serve the auxiliary feedwater pump building.
2. If the requirements of 3.13.E.1 cannot be satisfied, an additional equivalent capacity hose shall be routed to the affected area from an operable hose station within one hour.

F. Cable Spreading Room Halon System

1. The Cable Spreading Room Halon System shall be operable at all times with the halon storage tanks having at least 90% of full

charge weight and an equivalent of at least 90% of full charge pressure at standard temperature and pressure (STP) conditions.

2. If the requirements of 3.13.F.1 cannot be satisfied:
 - a. A continuous fire watch with backup fire protection equipment shall be established within one (1) hour for the Cable Spreading Room.
 - b. The Cable Spreading Room Halon System shall be restored to operable status within 14 days or a Special Report shall be prepared and submitted to the Commission pursuant to specification 6.9.2.d within the next 30 days outlining the cause of the inoperability and the plans for restoring the Halon System to operable status.

Basis

These specifications are established to assure the operability of fire protection and detection systems provided to protect equipment utilized for safe shutdown of the unit. The fire protection and detection systems are described in Revision 1 to "Review of the Indian Point Station Fire Protection Program," submitted to the NRC by letter dated April 15, 1977, and also in the Fire Protection Safety Evaluation Report issued by the NRC Regulatory Staff in conjunction with Amendment No. 46 to DPR-26 on January 31, 1979.

Table 3.13-1 (1 of 2)

Fire Detection Instruments

<u>Instrument Location</u>	<u>Minimum Instruments Operable</u>	
	<u>Heat</u>	<u>Smoke</u> (ionization detectors)
1. Central Control Room (Control Building: E1-53')	N/A	4
2. Cable Spreading Room (Control Building: E1-33')	N/A	7
3. Switchgear Room (Control Building: E1-15')	N/A	7
4. Electrical Tunnel (E1-33' to E1-68')	38*	3
5. Electrical and Piping Tunnel and Piping Penetration Area (PAB and Fan House: E1-68' to E1-51')	N/A	2
6. Electrical Penetration Area (Fan House: E1-46')	N/A	4
7. Diesel Generator Building (E1-67')	11	N/A
8. Boric Acid Transfer Pump Area (PAB: E1-80')	N/A	1
9. Containment Spray Pump/Primary Water Makeup Pump Area (PAB: E1-68')	N/A	4
10. Containment Fan Cooler Units (Containment: E1-68')	4 per FC unit	N/A
11. Electrical Penetration Area Outer Annulus (Containment: E1-46')	N/A	3

*temperature detector/trip devices

Amendment No.

Table 3.13-1 (2 of 2)

Fire Detection Instruments

<u>Instrument Location</u>	<u>Minimum Instruments Operable</u>	
	<u>Heat</u>	<u>Smoke</u> (ionization detectors)
12. Auxiliary Boiler Feedwater Pump Area (AFB: E1-18')	N/A	2
13. Main Corridor (PAB: E1-80')	N/A	5
14. Main Corridor (PAB: E1-98')	N/A	3
15. Component Cooling Pump Area (PAB: E1-68')	N/A	1
16. RHR Pump 21 Room (PAB: E1-15')	N/A	1
17. RHR Pump 22 Room (PAB: E1-15')	N/A	1
18. Safety Injection Pump Area (PAB: E1-59')	N/A	1
19. Charging Pump 21 Room (PAB: E1-80')	N/A	1
20. Charging Pump 22 Room (PAB: E1-80')	N/A	1
21. Charging Pump 23 Room (PAB: E1-80')	N/A	1

- c. Spray Header Visual Inspection- once/18 months
To verify integrity.
- d. Visual Inspection of Each once/18 months
Spray Nozzle-
To verify no blockage.
- e. Air Flow Test- once/3 years
Perform air flow test
through each spray header
and verify each spray nozzle
is unobstructed.

2. The requirements of 4.14.B.1 shall not apply to self-actuated type spray nozzles which are capable of only one actuation and cannot be periodically cycled or tested. These self-actuated spray nozzles shall be visually inspected at least once per 18 months to verify that no nozzle damage exists and that the nozzles are unobstructed.

C. Penetration Fire Barrier Inspections:

1. The penetration fire barriers listed in specification 3.13.C.1 shall be verified to be functional by visual inspection:
 - a. At least once per 18 months.
 - b. Prior to declaring a fire penetration barrier functional following repairs or maintenance.

D. Fire Detection Systems Testing:

1. The operability of the fire detection instruments utilized in satisfying the requirements of specification 3.13.D.1 including the actuation of appropriate alarms (Channel Functional Test) shall be verified as follows:

<u>Item</u>	<u>Frequency</u>
a. <u>Smoke Detectors-</u>	
(i) Those testable during plant operation (i.e., all except item 11 in Table 3.13-1).	once/6 months
(ii) Those not testable during plant operation (item 11 in Table 3.13-1).	once/18 months
b. <u>Heat Detectors-</u>	
(i) Those associated with the Diesel Generator Building (item 7 in Table 3.13-1).	once/6 months

(ii) Those associated with the
Electrical Tunnel
(item 4 in Table 3.13-1). once/12 months

(iii) Those associated with the
Containment Fan Cooler Units
(item 10 in Table 3.13-1). once/18 months

E. Fire Hose Station and Hydrant Testing:

1. Fire hose stations and hydrants described in specification 3.13.E.1 shall be demonstrated operable by the following surveillance testing requirements:

<u>Item</u>	<u>Frequency</u>
a. <u>Visual Inspection Test</u> --Visual inspection of the hose stations and hose houses to assure all required equipment is at the station or hosehouse.	once/month
b. <u>Hydrant Inspection</u> --	
1. Visually inspect each hydrant barrel to verify it is drained.	once/year (in the fall)
2. Flow test each hydrant to demonstrate its operability.	once/year (in the spring)
c. <u>Hose Removal Check</u> --Removal of the hose for inspection and replacement of all degraded gaskets in couplings.	once/18 months
d. <u>Hose Flow Test</u> --Partial opening of each hose station and hydrant valve to verify valve operability and no flow blockage.	once/3 years
e. <u>Hose Hydrostatic Test</u> --Conduct a hose hydrostatic test at a pressure at least 50 psig greater than the maximum pressure available at any hose station.	once/3 years for interior fire hose; once/year for outside fire hose.

F. Cable Spreading Room Halon System:

1. The Cable Spreading Room Halon System required operable by specification 3.13.F.1 shall be demonstrated operable by the following surveillance requirements:

<u>Item</u>	<u>Frequency</u>
a. <u>Halon Storage Tanks-</u> Verification of tank weight and pressure.	once/6 months
b. <u>System Functional Test-</u> Verification that the system, including ventilation dampers and fans, actuates properly upon receipt of a manual simulated test signal.	once/18 months
c. <u>Air Flow Test-</u> Performance of an air flow test through headers and nozzles to verify no blockage.	once/18 months

Basis

These specifications establish the surveillance program for fire protection and detection systems provided to protect equipment utilized for safe shutdown of the unit. This surveillance program is intended to verify the operability of these systems and will identify for corrective action any conditions which could prevent any portion of the systems from performing its intended function.

The fire protection and detection systems are described in Revision 1 to "Review of the Indian Point Station Fire Protection Program" submitted to the NRC by letter dated April 15, 1977 and also in the Fire Protection Safety Evaluation Report issued by the NRC Regulatory Staff in conjunction with Amendment No. 46 to DPR-26 on January 31, 1979.

ATTACHMENT B

Safety Evaluation

Consolidated Edison Company of New York, Inc.

Indian Point Unit No. 2

Docket No. 50-247

July, 1979

Safety Evaluation

By letter dated January 31, 1979 from Mr. A. Schwencer (NRC) to Mr William J. Cahill, Jr. (Consolidated Edison), the NRC Regulatory Staff forwarded Amendment No. 46 to Facility Operating License No. DPR-26 and its Fire Protection Safety Evaluation Report (SER) for Indian Point Unit No. 2. That letter and SER Section 3.1 require that for certain planned facility fire protection modifications, proposed technical specifications are to be submitted at least 90 days prior to the implementation date for the modifications.

The proposed changes, contained in Attachment A to this Application, would incorporate technical specification requirements for additional fire detectors and for a Cable Spreading Room Halon System to be installed during 1979. By letter dated March 30, 1979 from Mr. William J. Cahill, Jr. to Mr. A. Schwencer, Consolidated Edison provided an estimated completion date of December 15, 1979 for the installation of certain of the additional fire detectors required by SER Sections 3.1.15 and 4.2. This work may be completed as early as October, 1979. With regard to the Cable Spreading Room Halon System, this modification is currently scheduled for completion by December 31, 1979 as required by SER Sections 3.1.12 and 5.4.6.

The proposed technical specification changes have been developed consistent with the requirements of the NRC Standard Technical Specifications (STS) for Westinghouse PWR's.

The proposed changes have been reviewed by both the Station Nuclear Safety Committee and the Consolidated Edison Nuclear Facilities Safety Committee. Both Committees concur 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.