

Consolidated Edison Company of New York, Inc.  
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Telephone (212) 460-2533

Letter No. 81-57 A  
March 19, 1981

Re: Indian Point Unit No. 2  
Docket No. 50-247

Director of Nuclear Reactor Regulation  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

ATTN: Mr. Darrell G. Eisenhut, Director  
Division of Licensing  
Office of Nuclear Reactor Regulation



Dear Mr. Eisenhut:

This letter provides the information regarding fire protection requested by your letter of February 20, 1981.

The Nuclear Regulatory Commission's Fire Protection Safety Evaluation Report for Indian Point Unit No. 2, dated January 31, 1979, as supplemented October 31, 1980 did not contain any open or unresolved items. Therefore, in accordance with Paragraph (b) of 10CFR50 only the requirements of Section III.G, III.J and III.O of Appendix R to 10CFR50 are applicable.

As discussed below, Indian Point Unit No. 2 is in full compliance with the three previously noted sections of Appendix R.

III.G - Fire Protection for Safe Shutdown Capability

An alternate shutdown system for Indian Point 2 is being installed during the current refueling outage. This system will contain power cabling and instrumentation which bypasses all critical fire areas. The power supply for this system is from an alternate power source which is independent of the station's emergency diesel generators and normal off-site power feeds to Unit 2. Additionally, in the event of system blackout, there are three gas turbines that can power the alternate shutdown system. The design details for this system were provided in Consolidated Edison's letters to the NRC of September 18, 1978 to Mr. V. Stello and December 12, 1978 to Mr. A. Schwencer.

Based on the following design features, we believe that the Indian Point Unit No. 2 alternate shutdown system meets the requirements for associated circuits:

- o The instrumentation provided for safe shutdown is pneumatic.

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- o All power cables are outside of critical fire areas.
- o Local control of required shutdown equipment is provided.

Additionally Con Edison had an extensive study performed to evaluate the location of critical valves in all of the plant systems that could be used to achieve shutdown. The results of this study indicated that they were accessible and, if required, could be operated manually.

III.J - Emergency Lights

As part of the Indian Point Fire Protection Plan, Consolidated Edison committed to install battery operated lighting units. Accordingly, we have installed thirty (30) dual beam lights that have a minimum operating time of 8 hours each.

III.O - Oil Collection System for Reactor Coolant Pumps

An oil collection system, for all four Reactor Coolant Pumps is presently being installed and will be completed prior to plant startup following completion of the present refueling outage. The system is designed to withstand the safe shutdown earthquake criteria for Indian Point Unit No. 2. The design details for this system were supplied to the NRC in Con Edison's letter of June 6, 1979 to Mr. S. Varga.

The information requested in Enclosures 1 (Section 8) and 2 to your letter will be provided by the requested May 19, 1981 date.

Should you or your staff have any questions regarding this information, please contact us.

Very truly yours,



John D. O'Toole  
Vice President

cc: Mr. Theodore Rebelowski, Resident Inspector  
U. S. Nuclear Regulatory Commission  
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Buchanan, New York, 10511