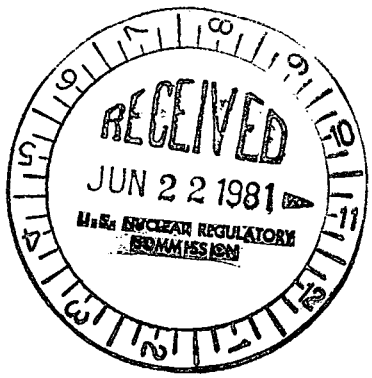
John D. O'Toole
Vice President

Consolidated Edison Company of New York, Inc.
4 Irving Place, New York, NY 10003
Telephone (212) 460-2533

Letter No. 81-112
June 15, 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: Darrell G. Eisenhut, Director
Division of Licensing

Dear Mr. Eisenhut:

This letter is in response to your letter of February 25, 1981 regarding Emergency Procedures and Training for Station Blackout Events (Generic Letter 81-04). An extension of time for the 90 day response was requested of and approved by your staff. Responses to the specific questions for the 90 day requirement are included as Attachment 1 to this letter.

Con Edison is a member of the Westinghouse Owner's Group and will include, as appropriate, the results of the Owner's Group Program in our response to the 6 month requirements of your letter. As discussed in the April 9, 1981 letter (OG-56) from Robert W. Jurgensen, Westinghouse Owner's Group Chairman, to you (Attachment 2 to this letter), we will require partial extension of the 6 month requirement.

With regard to your letter, it is important to note that Indian Point Unit No. 2 has a 4 battery, 3 power train electrical system with capability for switchover. Local power supply is available from 3 diesels plus one gas turbine on site and two

gas turbines immediately adjacent to the site. The Indian Point Unit No. 2 Technical Specifications include limiting conditions for operation of the gas turbines. As a result, a total station blackout is a highly improbable event.

This information is provided pursuant to 10 CFR 50.54(f).

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

Very truly yours,

William P Bennetts

for John D. O'Toole
Vice President

Subscribed and sworn to
before me this 15 day
of June, 1981

Notary Public

THOMAS LOVE
Notary Public State of New York
No. 31-2409638
Qualified in New York County
Commission Expires March 30, 1983

ATTACHMENT 1

Emergency Procedures and Training for Station Blackout Events

Consolidated Edison Company of New York, Inc.
Indian Point Unit No. 2
Docket No. 50-247
Facility Operating License No. DPR-26
June 1981

Emergency Procedures and Training
for Station Blackout Events
Generic Letter 81-04
90 Day Response to Questions

- Item a. The actions necessary and equipment available to maintain the reactor coolant inventory and heat removal with only DC power available, including consideration of the unavailabilitty of auxiliary systems such as ventilation and component cooling.

  Response: We have reviewed this item and determined that we have procedures that apply. As part of our review we have identified certain clarifications that should be incorporated in the procedures and these will be included in our 6 month response. The operators are aware of the appropriate actions to take and they have been briefed on the clarifications. This item is also part of the Westinghouse Owner's Group Study (Attachment 2) and we will incorporate its findings as appropriate.

- Item b. The estimated time available to restore AC power and its basis.

  Response: We have previously submitted our Alternate Shutdown Study (letters to NRC dated September 18, 1978 and December 12 1978), which indicated a 24 hour time frame to restore AC power. This item will also be addressed by Attachment 2, and we will respond accordingly.

- Item c. The actions for restoring offsite AC power in the event of a loss of the grid.

  Response: Con Edison has procedures for restoration of its transmission and distrubtion system. These procedures are periodically reviewed and updated as appropriate.

- Item d. The actions for restoring offsite AC power when its loss is due to postulated onsite equipment failures.

  Response: Our review has determined that we have procedures that apply to this item. Clarifications will be added as necessary to address all systems and equipment available. These clarifications will be incorpoated in our 6 month response. The operators have been briefed and are aware of the appropriate actions to take.

- Item e. The actions necessary to restore emergency onsite AC power. The actions required to restart diesel generators should include consideration of loading sequence and the unavailability of AC power.

  Response: Review of this item has determined that procedures exist for manual equipment startup. Some clarifications have been identified and will be incorporated in our 6 month response. The operator are aware of the appropriate actions to take. This item will also be addressed by Attachment 2 and will include the findings of the study as appropriate.

- Item f. Consideration of the availability of emergency lighting, and any actions required to provide such lighting, in equipment areas where operator or maintenace actions may be necessary.

  Response: Emergency lighting has been provided in the plant with automatic transfer. This item may receive additional review as appropriate based on the results of the study outlined in Attachment 2.

- Item g. Precautions to prevent equipment damage during the return to normal operating conditions following restoration of AC power. For example, the limitations and operating sequence requirements which must be followed to restart the reactor coolant pumps following an extended loss of seal injection water should be considered in the recovery procedures.

  Response: Precautions to prevent consequential equipment damage due to the return of AC power is being considered by Attachment 2 and we will incorporate its findings as appropriate as procedural controls.

- Additional General Comment:

  The requalification training program will consider these emergency procedures and include simulator exercises involving the postulated loss of all AC power with decay heat removal being accomplished by natural circulation and the steam-driven auxiliary feedwater system. We will also adopt the definitions of specific operator training requirements developed by Attachment 2.

ATTACHMENT 2

Emergency Procedures and Training for Station Blackout Events

Westinghouse Owner's Group
Letter OG-56

Consolidated Edison Company of New York, Inc.
Indian Point Unit No. 2
Docket No. 50-247
Facility Operating License No. DPR-26
June, 1981