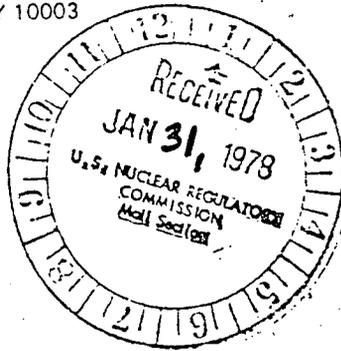


Consolidated Edison Company of New York, Inc.
4 Irving Place, New York, N Y 10003
Telephone (212) 460-3819



Indian Point Station.

January 27, 1978

Docket Nos. 50-247
50-286

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

Dear Sir,

With reference to Mr. Karl R. Goller's December 15, 1977 letter to all Power Reactor Licensees, please find a completed copy of the Questionnaire on standby diesel generator units enclosed with Mr. Goller's letter. As requested, you will also find attached a sheet giving the name, address and phone number of the persons that were responsible for completing the questionnaire and who are responsible for responding to any follow-up communications concerning the questionnaire or for arranging a reactor site visit.

William J. Cahill, Jr.
Vice President

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Questionnaire

for

NUCLEAR REGULATORY COMMISSION
RELIABILITY STUDY

of

Standby Diesel Generator Units

Date Questionnaire Completed: 1/20/78

Plant Name: Indian Point Station Unit No. 3

Diesel Manufacturer: ALCO Engines Division
WHITE INDUSTRIAL POWER, INC. Model: 16-251-E1

Number of Units: 3

Size Kw/Unit: 1.75 MW Rated Speed: 900 RPM

Average Operating Hours Per Unit to Date: 187

DIESEL GENERATOR STATUS

A. Engine:

1. Problems are caused chiefly by (give estimated number)
 - a. Defective parts _____
 - b. Installation errors: _____
 - c. Failure of system to respond properly in function or sequence: _____
 - d. Faulty adjustment: _____
2. Would more stringent inspection and testing requirements during acceptance or preoperational tests significantly improve the diesel-generator power plant performance?
Yes _____ No ✓

B. Starting Systems (indicate which):

1. Air-to-cylinder cranking _____
- Air cranking motor ✓ Mfr. N/A INGERSOLL Model No. B41-RH-1
- Electric cranking motor N/A Mfr. N/A Model No. N/A

- S. Are any foreign gases such as propane, freon, halon, carbon dioxide, etc. stored in the: Diesel Engine room?
 Yes No or adjacent buildings? Yes No

If yes, (other than hand portable fire extinguishers), then identify gases and give approximate tank size.

Gases	Volume (ft ³)
_____	_____
_____	_____
_____	_____
_____	_____

- T. Does control system automatically bypass, in emergency starting, any engine temporarily out of service for maintenance? Yes No

If yes, then how many failures to bypass have occurred?

- U. Does the control system automatically override the test mode under emergency conditions? Yes No

- Y. Have repetitive mechanical failures occurred in any component part or subsystem of the engine, generator, or switch gear, etc.?
 Yes No

If yes, then which part or subsystem? _____

How many failures? _____

Give nature of failure. _____

- W. Would periodic (yearly or other) evaluation and/or testing by "outside experts" contribute significantly to the diesel-generator reliability? Yes No

Give brief reasons for the answer. WE PRESENTLY VISUALLY INSPECT AND FUNCTIONALLY TEST THE EMERGENCY DIESEL GENERATORS ON A WEEKLY, MONTHLY & QUARTLY FREQUENCY AS WELL AS DURING EACH FUELING

- X. 1. Give the accumulated time-load operating record for each diesel-generator unit from installation to the present (Running Hours):

Preoperational test Date 7/28/75

Engine Serial No.	Surv. Testing & Maintenance Hrs. No Load	Testing & Maintenance Hrs. Loaded	Emergency and Other Service Hrs.	Total Hours
35-74P714	25	155.5	11	192.5
45-74P714	23	146.9	11	180.9
55-74P714	27	151	11	189.0

2. Surveillance test load (percent of continuous rating) $\geq 29\%$
For 2 hrs Diesel
3. Give the projected or planned time-load operation for each diesel-generator unit during the next 12 months.

Surveillance & Maintenance Hrs.	Emergency and other Service Hrs.	Total Hours
60 hrs / DIESEL	5 hrs / DIESEL	65 hrs / DIESEL

4. Provide the following summary of the periodic surveillance testing experience:

- a. Starting date of surveillance testing (OL date) 11/14/77
 b. Periodic test interval Monthly & Quarterly
 c. Total number of surveillance tests performed 31
 d. Total number of test failures 0

failure to start _____ failure to accept load _____
 failure to carry load _____ failures due to operator error _____
 failure due to equipment not being operative during emergency conditions _____

- e. Supply a copy of the surveillance test procedures with this completed questionnaire.