

BALTIMORE GAS AND ELECTRIC COMPANY

P.O. BOX 1475
BALTIMORE, MARYLAND 21203

ARTHUR E. LUNDVALL, JR.
VICE PRESIDENT
SUPPLY

January 24, 1978



Division of Operating Reactors
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Socket Nos: 50-317
50-318

ATTN: Mr. Karl F. Goller
Assistant Director for Operating Reactors

Gentlemen:

In response to your letter of December 15, 1977, the questionnaire regarding the reliability of standby Diesel generator units is hereby forwarded.

Should you have questions regarding this information, we would be pleased to discuss them with you.

Very truly yours,

A. E. Lundvall, Jr.
Vice President - Supply

AEL/RED/gfc

8107220003 810709
PDR ADOCK 05000317
F PDR

- S. Are any foreign gases such as propane, freon, halon, carbon dioxide, etc. stored in the Diesel Engine room?

Yes _____ No X or adjacent buildings? Yes _____ No X

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 X

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

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

- V. Have repetitive mechanical failures occurred in any component part or subsystem of the engine, generator, or switch gear, etc.?

Yes _____ No X

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 X

Give brief reasons for the answer. IN HOUSE EXERCISE IS SUFFICIENT

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

#11 & #12 6/12/74

Preoperational test Date #21 11/27/74

: Engine :	Surv. Testing &	Emergency	Total
: Serial No. :	Maintenance Hrs. :	and Other	Hours :
:	No Load : Loaded :	Service Hrs. :	:
: 252810047D :	:	:	:
: 5m12 :	UN : 180 :	NA :	180 :
: 252810065 :	:	:	:
: 405m12 :	UN : 180 :	NA :	180 :
: 252810069 :	:	:	:
: 405m12 :	UN : 156 :	NA :	156 :
:	:	:	:
:	:	:	:
:	:	:	:

2. Surveillance test load (percent of continuous rating) 100

3. Give the projected or planned time-load operation for each diesel-generator unit during the next 12 months.

: Surveillance &	Emergency	Total
: Maintenance Hrs. :	and other	Hours :
:	Service Hrs. :	:
:	:	:
: 52 :	UN :	52 :

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

- a. Starting date of surveillance testing (i. e. date) 6/12/74
 b. Periodic test interval WEEKLY
 c. Total number of surveillance tests performed 516
 d. Total number of test failures 8

failure to start 2 failure to accept load 2
 failure to carry load 0 failures due to operator error 6
 failure due to equipment not being operable during emergency conditions 0

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