

DAIRYLAND POWER COOPERATIVE

La Crosse, Wisconsin
54601

January 20, 1978

In reply, please refer to LAC-5129

DOCKET NO. 50-409

Director of Nuclear Reactor Regulation
ATTN: Mr. Karl R. Goller, Assistant Director
for Operating Reactors
Division of Operating Reactors
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555



SUBJECT: DAIRYLAND POWER COOPERATIVE
LA CROSSE BOILING WATER REACTOR (LACBWR)
PROVISIONAL OPERATING LICENSE NO. DPR-45
NRC RELIABILITY STUDY OF STANDBY DIESEL
GENERATOR UNITS

Reference: (1) NRC Letter, Goller to All Power Reactor Licensees, Dated December 13, 1977.

Gentlemen:

Enclosed, herewith, is the completed questionnaire forwarded to us with your letter (Reference 1).

Please contact Mr. George S. Joyd, LACBWR Operations Supervisor, (608)-689-2331, for response to any follow-up communications concerning the questionnaire or for arranging a reactor site visit.

Very truly yours,

DAIRYLAND POWER COOPERATIVE

John P. Madgett
John P. Madgett, General Manager

JPM:RES:af

Enclosure

780410282

A014/S *
1/1

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

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

Gases	<u>1B - CO₂</u>	Volume (ft ³) weight (lbs)	<u>190-200 psi/bottle - 8 bottles</u>
	_____	_____	_____
	_____	_____	_____
	_____	_____	_____

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 1A No 1B

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. Failure rate is too low to justify.

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

Preoperational test Date 1A 5/66
1B prior to 6/76 (~ 5/76)

	Engine : Serial No. :	Surv. Testing & Maintenance Hrs. : No Load :	Loaded :	Emergency and Other Service Hrs. :	Total Hours :
1A	25-01351	179.4	276.2	41.4	497
1B	3651611	23.6	20.5	0	44.1

2. Surveillance test load (percent of continuous rating) 1A - 40%
1B - 75%
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 :
1A ~ 14 Hrs.	None	1A ~ 14	
1B ~ 14 Hrs.	Planned	1B ~ 14	

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

- a. Starting date of surveillance testing (OL date) 1A 5/66
1B 6/76
- b. Periodic test interval 1A&1B, Monthly & 18 Months
- c. Total number of surveillance tests performed (see below)
- d. Total number of test failures 1A-2, 1B-1

(throttle not failure to start 1A (in time) failure to accept load 1B fully reset)
 failure to carry load 0 failures due to operator error 1A
 failure due to equipment not being operative during emergency conditions 0

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

(4.c. 1A - 150 Mo., 22 Semi-annual, 1 18-Mos.
 1B - 20 Mo., 2 18-Mo.)