

POWER AUTHORITY OF THE STATE OF NEW YORK

JAMES A. FITZPATRICK NUCLEAR POWER PLANT



JOHN D. LEONARD, JR.  
Resident Manager

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March 2, 1978  
JAFP 78-108

Director of Nuclear Reactor Regulation  
United States Nuclear Regulatory Commission  
Washington D. C. 20555

Attention: Karl R. Goller  
Assistant Director for Operating Reactors  
Division of Operating Reactors

Subject: James A. FitzPatrick Nuclear Power Plant  
Questionnaire for Nuclear Regulatory Commission  
Reliability Study of Standby Diesel Generator Units  
Docket No. 50-333

Reference: John D. Leonard, Jr. to Karl R. Goller Letter 78-35 of  
January 20, 1978

Dear Mr. Goller:

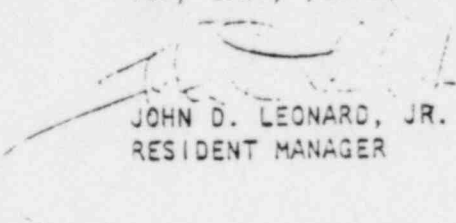
The Power Authority has completed and enclosed the Reliability Study Questionnaire Items Q. 6, 7 and X.1 concerning Exciter/Regulator Temperatures and Accumulated Time-Load Data.

As before, the individual at the James A. FitzPatrick Nuclear Power Plant site responsible for completion of the questionnaire is Mr. W. Verne Childs, Assistant to the Operations Superintendent.

We trust that this information satisfies the concerns of the Commission regarding the subject matter.

Very truly yours,

JDL:WVC:brp  
Enclosure

  
JOHN D. LEONARD, JR.  
RESIDENT MANAGER

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

Preoperational test Date July 29, 1974

: Engine :	Surv. Testing &	Emergency	Total
: Serial No. :	Maintenance Hrs. :	and Other	Hours :
:	No Load : Loaded :	Service Hrs. :	:
:	:	:	:
:	:	:	:
:	:	:	:
:	:	:	:
:	:	:	:
:	:	:	:
:	:	:	:
:	:	:	:

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. :	:
:	:	:
:	:	:
:	:	:
:	:	:
:	:	:
:	:	:
:	:	:

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

- a. Starting date of surveillance testing (OL date) 10/17/74
- b. Periodic test interval Various - See 4 (e) below.
- c. Total number of surveillance tests performed 50 (each engine).
- d. Total number of test failures 6 (All engines combined)

failure to start 2 failure to accept load 1  
 failure to carry load 1 failures due to operator error 2  
 failure due to equipment not being operative during emergency conditions None

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

Additional Comments

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See Attached Sheet

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Y. General Suggestions

Briefly give constructive criticism or suggestions as to improvement in reliability of the diesel generators. These remarks may cover tests, maintenance, practices, orders, policy, adjustments, etc.

Attached as Enclosure 2 is a copy of the "Supporting Information" that was submitted to the Nuclear Regulatory Commission as part of a proposed technical specification change relating to the Emergency/Diesel Generator Systems at JAFNPP.

It has been concluded that the operational availability of the a-c power supply to the emergency buses is decreased by present operating procedures, in that the offsite power source is intentionally disconnected from the emergency bus to allow "loading of the emergency diesel generators." We believe that the requirement to run the "operable" emergency diesel generators continuously is an unrealistic one and is not consistent with Technical Specifications for present-day plants; furthermore, the increased running time on the emergency diesel generators can create unnecessarily severe maintenance requirements on these units, which should be avoided if possible. In addition, the proposed connection on the "degraded" emergency bus to the reserve station service power system enhances the availability of the station service power supply to the emergency bus by eliminating the possibility of a failure to make a fast or residual transfer to the offsite power station in the event of a unit trip.