

FROM: Carolina Power & Light Company  
Raleigh, North Carolina 27602  
E.E. Utley

TO: Dr. Peter A. Morris

CLASSIF: U POST OFFICE  
REG. NO:

DESCRIPTION: (Must Be Unclassified)

Ltr reporting a failure of the generator  
of emergency diesel generator "A" in  
which a rotor pole cap had been thrown  
clear of the rotor.....

ENCLOSURES:

REMARKS:

DATE OF DOCUMENT: 12-16-70

DATE RECEIVED: 12-21-70

NO.: 4100

LTR. X

MEMO:

PORT:

OTHER:

ORIG.: 1

CC:

OTHER:

ACTION NECESSARY ☐

NO ACTION NECESSARY ☐

CONCURRENCE ☒

COMMENT ☐

DATE ANSWERED:

BY:

FILE CODE:

50-261

REFERRED TO

DATE

RECEIVED BY

DATE

Roller  
w/9 cys for ACTION

12-22-70

DISTRIBUTION:

Reg File

AEC PDR

OCC-RM-F-506-A

Compliance (2)

H. Price & Staff

D. Thompson

Morris/Schroeder  
Skovholt

DeYoung

Boyd

DTIE(Laughlin)  
NSIC(Buchanan)

**DO NOT REMOVE  
ACKNOWLEDGED**

4100

DL

# Carolina Power & Light Company

Raleigh, North Carolina 27602

December 16, 1970

Dr. Peter A. Morris  
Division of Reactor Licensing  
U. S. Atomic Energy Commission  
Washington, D. C. 20545



RE: FACILITY LICENSE NO. DPR-23  
DOCKET NO. 50-261

Dear Dr. Morris:

In accordance with Section 6.6.2 of the H. B. Robinson Unit No. 2 Technical Specifications, the Company reports a failure of the generator of emergency diesel generator "A". The reactor was in a cold-shutdown condition at the time.

## Sequence of Events

A test program had been initiated on December 4, 1970, to verify start reliability of the diesel engines with a safety injection signal. Once every eight hours a safety injection signal was manually initiated and the starting of the diesels monitored. This program was followed until approximately 1:26 PM, December 7, 1970 when the diesels were started and high vibration was immediately apparent on generator "A". Vibrometer readings indicated 7.0 mils on the exhaust end (horizontal) of the diesel and 18.5 mils on the generator end bearing (horizontal).

An inspection of the generator indicated that a rotor pole cap including attached balancing weights had been thrown clear of the rotor and had caused damage to the stator windings.

## Corrective Action

A complete set of stator field coils on generator "A" are being replaced.

A complete investigation of the cause of the failure is in progress under the direction of a Fairbanks-Morse Company representative.

In addition to repairs to generator "A", a thorough inspection of generator "B" is in progress to insure that a similar failure does not occur on that machine.

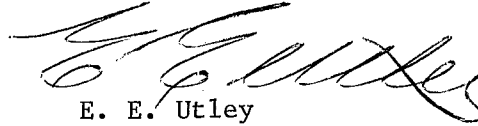
Dr. Peter A. Morris

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December 16, 1970

The reactor will not be made critical until repairs to generator "A" have been completed and both diesel generators have been tested. It is estimated that both diesels will be in service by December 22, 1970.

Yours very truly,

A handwritten signature in cursive script, appearing to read "E. E. Utley", written in dark ink.

E. E. Utley  
Manager

Generation & System Operations

NBB/lcf

cc: Mr. J. A. Jones