

# REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

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 FACIL:50-261 H. B. Robinson Plant, Unit 2, Carolina Power and Ligh 05000261  
 AUTH.NAME AUTHOR AFFILIATION  
 STARKEY,R.B. Carolina Power & Light Co.  
 RECIP.NAME RECIPIENT AFFILIATION  
 O'REILLY,J.P. Region 2, Atlanta, Office of the Director

SUBJECT: RO:on 801216,engine driven fire pump taken out of svc for  
 installation of oil & cooling water heating devices.Limit  
 of seven days exceeded for having pump out of svc.Caused by  
 mod to test instructions & defective pressure switch.

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JAN 22 1981

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H. B. ROBINSON STEAM ELECTRIC PLANT  
POST OFFICE BOX 790  
HARTSVILLE, SOUTH CAROLINA 29550

JAN 14 1981

Robinson File No: 2-0-4-a-3

SERIAL: RSEP/81-37

Mr. James P. O'Reilly  
Director of Regulatory Operations  
U. S. Nuclear Regulatory Commission  
Region II  
101 Marietta Street, Northwest  
Suite 3100  
Atlanta, Georgia 30303

H. B. ROBINSON STEAM ELECTRIC PLANT  
UNIT NO. 2  
DOCKET NO. 50-261  
LICENSE NO. DPR-23  
30 DAY SPECIAL REPORT - ENGINE DRIVEN FIRE PUMP

Dear Mr. O'Reilly:

In accordance with Plant Technical Specification 6.9.3.g, the following event is reported.

On December 16, 1980, at 1200 hours, the Unit No. 2 engine driven fire pump was taken out of service so that proper oil and cooling water heating devices could be installed by the service representative. Modifications were completed by December 19, 1980. However, due to the fact that the prime mover for the pump had been changed from a propane engine to a diesel engine (in order to satisfy NRC requirements) the periodic test which verified the operability of the pump had to be revised to add the new testing instructions. This revision was not available until December 22, 1980. Operability testing was not able to take place until December 23, 1980, due to the fact that a clearance had been taken on the pump and the individual holding the clearance could not be reached until the morning of the 23rd. When the operability test was performed, the engine driven fire pump failed to start. Immediate action was taken to determine the cause of the failure, which in this case was a defective pressure switch on the fire pump controller. A new pressure switch was obtained and installed and the engine driven fire pump was verified to be operable on December 24, 1980. However, by the time the defective switch was replaced, the time limit of seven days for having the pump out of service as per Technical Specification 3.14.2.2 had been exceeded. During this time, the motor driven fire pump was in service and able to satisfy the requirements of the Unit 2 fire water system.

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Letter to Mr. James P. O'Reilly  
Serial: RSEP/81-37  
Page 2

As was previously indicated, the cause for the malfunction was a defective mercoird pressure switch in the pump controller unit. This switch is the only one of its kind in service at this site. The switch was replaced and pump operability was verified on December 24, 1980.

Due to the unique nature of the problem, no further action is considered necessary.

Very truly yours,



R. B. Starkey, Jr.  
General Manager  
H. B. Robinson S.E. Plant

SBC/gbm

cc: R. A Hartfield (3)  
V. Stello (40)