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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

SUBJECT: RO:on 800517,while operating at 40% reactor power level,
 power range high flux setpoint was not properly reset during
 quadrant power tilt greater than 2%.Cause under
 investigation.Setpoint reset & unit returned to operation.

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JUN 6 1980



Carolina Power & Light Company

H. B. ROBINSON STEAM ELECTRIC PLANT
Post Office Box 790
Hartsville, South Carolina 29550

May 19, 1980

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

SERIAL:RSEP/80-760

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

Dear Mr. O'Reilly:

In accordance with Plant Technical Specification 6.9.2.a.(2), the following event is reported:

At approximately 0030 hours on May 17, 1980, while operating at a 40% reactor power level, a quadrant power tilt greater than 2% was indicated. This condition was eliminated and the tilt was within the limits of Technical Specification 3.10.3.1 at 1700 May 17, 1980. During this period, the reactor remained at 40% power level; however, the power range high flux setpoint was not reset to be less than two percent of rated values for every percent of indicated tilt ratio exceeding 1.0. This is contrary to the requirements of Technical Specification 3.10.3.1.a. An orderly shutdown was commenced at approximately 1725 and the reactor was subcritical at 1900 May 17, 1980. The power range high flux setpoint was reset to 55% power and the unit was returned to operation at approximately 0700 on May 18, 1980 and is operating at 40% reactor power level. This is within the limits of Technical Specification 3.10.3.1.b. Investigation is proceeding to determine the cause of the indicated tilt.

This event was reported at 0900 hours on May 18, 1980 to Mr. R. Sauer of the Nuclear Regulatory Commission, Atlanta Office. In addition, Mr. B. J. Furr, Vice President Nuclear Operations, had been notified of this event at approximately 1800 hours on May 17, 1980.

Very truly yours,

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

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