

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR:8010200471 DOC.DATE: 80/10/17 NOTARIZED: YES DOCKET #
 FACIL:50-261 H. B. Robinson Plant, Unit 2, Carolina Power and Ligh 05000261
 AUTH.NAME AUTHOR AFFILIATION
 UTLEY,E.E. Carolina Power & Light Co.
 RECIP.NAME RECIPIENT AFFILIATION
 VARGA,S.A. Operating Reactors Branch 1

SUBJECT: Forwards Tech Specs change re degraded grid voltage,allowing
 bypass of 480 volt emergency bus undervoltage trip feature
 at less than 2% reactor power.Change necessary to start &
 stop reactor coolant pumps to control temp.

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Carolina Power & Light Company

October 17, 1980

File: NG-3514(R)

Serial No.: NO-80-1561

Office of Nuclear Reactor Regulation
ATTENTION: Mr. Steven A. Varga, Chief
Operating Reactors Branch No. 1
United States Nuclear Regulatory Commission
Washington, D. C. 20555

H. B. ROBINSON STEAM ELECTRIC PLANT UNIT NO. 2
DOCKET NO. 50-261
LICENSE NO. DPR-23
REQUEST FOR TECHNICAL SPECIFICATION CHANGE
DEGRADED GRID VOLTAGE

Dear Mr. Varga:

In accordance with the Code of Federal Regulations, Title 10, Part 50.90 and Part 2.101, Carolina Power & Light Company (CP&L) submits the attached changes to the H. B. Robinson Unit No. 2 Technical Specifications. The Technical Specification change would allow the bypass of the 480 V Emergency Bus Undervoltage (Degraded Voltage) trip feature at less than two percent (2%) reactor power. Changes are indicated by a vertical line in the right hand margin of the affected page. The attached page 3.5-10a supercedes and replaces page 3.5-10a attached to our October 7, 1980 letter, Serial Number NO-80-1502. In accordance with 10CFR170.12(c), we have determined that this revision constitutes a Class III Amendment. Accordingly, our check for \$4000 is enclosed.

This change is required because during extended periods of time with the reactor critical below the Power Operating Condition (less than two percent of rated power), it may be necessary to start and stop reactor coolant pumps (RCP) in order to aid in reactor coolant system temperature control. The RCPs are powered by large 4160 V motors with flywheels, and draw a sizeable current during the initial start. As a result, the starting creates a momentary (10-15 seconds) voltage "dip" below the Degraded Voltage Setpoint of 412 volts. Therefore, it is necessary to be able to inhibit this feature of the Loss of Power function during the period that a pump is started. Until a permanent fix can be installed, this can be accomplished procedurally by blocking the signal which trips the normally closed feeder breaker with a temporary jumper. When the reactor is critical, operating procedures will ensure that the temporary jumper will only be in place for the time required to start the reactor coolant pumps. A key interlock switch will be installed as a permanent fix during the next extended outage pending the availability of parts and equipment.

411 Fayetteville Street • P. O. Box 1551 • Raleigh, N. C. 27602

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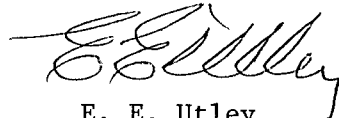
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AOIS
3/3
w/check
\$4,000.00

The inhibiting of this feature of the Loss of Power function for the short period of time required to start a pump does not create a substantial safety concern since essentially no power is produced by the reactor core and the period of time the reactor is critical without the protection is minimal. Therefore, it will continue to provide the degree of protection necessary to ensure the health and safety of the public.

If you have any questions on this subject, please contact our staff.

Yours very truly,

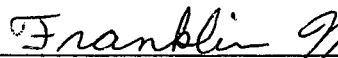


E. E. Utley
Executive Vice President
Power Supply and
Engineering & Construction

JHE/jc (101-215)
Attachment

cc: Mr. J. D. Neighbors (NRC)
Mr. J. P. O'Reilly (NRC-I&E)

Sworn to and subscribed before me this 17th day of October, 1980


Notary Public

My commission expires: October 4, 1981

