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 FACIL: 50-261 H. B. Robinson Plant, Unit 2, Carolina Power and Light 05000261
 AUTH. NAME: AUTHOR AFFILIATION
 CUTTER, A.B. Carolina Power & Light Co.
 RECIP. NAME: RECIPIENT AFFILIATION
 VARGA, S.A. Operating Reactors Branch 1

SUBJECT: Discusses environ qualification of electrical equipment re
 motor operated valves. Complete motor/actuators or Valves
 V866A & B will be replaced during current steamgenerator
 replacement outage.

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 TITLE: OR/Licensing Submittal: Equipment Qualification

NOTES:

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Carolina Power & Light Company

SEP 19 1984

SERIAL: NLS-84-370

Director of Nuclear Reactor Regulation
Attention: Mr. Steven A. Varga, Chief
Operating Reactors Branch No. 1
Division of Licensing
United States Nuclear Regulatory Commission
Washington, DC 20555

H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2
DOCKET NO. 50-261/LICENSE NO. DPR-23
ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT (EQ)
MOTOR OPERATED VALVES

Dear Mr. Varga:

SUMMARY

On August 6, 1984, Carolina Power & Light Company (CP&L) held a conference call with Mr. Paul Shemanski of the Equipment Qualification Branch to discuss with NRC the current plan for qualification of certain motor operated valves (MOVs) at the H. B. Robinson Steam Electric Plant Unit No. 2 (HBR2). Due to schedular concerns (receipt of equipment), CP&L's current qualification methods may differ from that described in our March 2, 1984 letter. The purpose of this letter is to document the results of the telephone conversation.

DISCUSSION

Carolina Power & Light Company has been experiencing difficulties in receiving replacement equipment for certain motor operated valves in time to install the replacements during the current steam generator replacement outage. Therefore, CP&L has determined different approaches for qualification of this equipment. The current plans for qualification are described below:

1: Motorized Valve Actuator, Limitorque, SMB00

Installed actuators V866A and B have motors which are Class B insulation wound. To comply with 10 CFR 50.49, Class H is required. Carolina Power & Light Company had planned to replace the complete motor/actuators on valves V866A and B during the current S/G replacement outage. However, the earliest expected delivery date is mid-October, which does not meet

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our delivery date requirement to install the actuator during this outage. Therefore, CP&L now plans to replace only the motors with qualified motors (available from stock) to upgrade the classification of the installed MOVs. Limitorque has stated this approach is acceptable for qualification.

2. Motorized Valve Actuator, Limitorque, SMB3

Installed actuators V744A and B have motor brakes and will perform their safety function upon initiation of Safety Injection (SI) signal. Carolina Power & Light Company has verified that if the motor brake does fail after the start of the accident, it would not degrade any safety functions or mislead the operators (per 10 CFR 50.49(i)(4)). No additional action is required. The necessary analysis will be placed in our EQ file. Carolina Power & Light Company believes the current SMB3 actuators meet the intent of 10 CFR 50.49 since the valve performs its safety function upon receipt of a safeguards signal. For operational and maintenance considerations, however, CP&L plans to replace these actuators at a future date.

CONCLUSION

The NRC agreed that CP&L's current approaches are acceptable; therefore, CP&L intends to proceed as discussed above. If any further changes develop, we will inform you.

If you have any questions on this subject, please contact Mr. Sherwood Zimmerman at (919) 836-6242.

Yours very truly,



A. B. Cutter - Vice President
Nuclear Engineering & Licensing

ONH/ccc (467ONH)

cc: Mr. J. P. O'Reilly (NRC-RII)
Mr. G. Requa (NRC)
NRC Resident Inspector (RNP)