



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION
RELATED TO AMENDMENT NO. 93 TO FACILITY OPERATING LICENSE NO. DPR-23
CAROLINA POWER AND LIGHT COMPANY
H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2
DOCKET NO. 50-261

I. Introduction

By letter dated April 30, 1985 Carolina Power and Light Company (CP&L) proposed changes to the existing Technical Specification Table 3.5-1, Items 6.a and 6.b. CP&L states that the proposed changes when implemented will increase the voltage setpoint tolerances for loss of voltage and degraded grid voltage relays for 0.3% and 0.24% to 10% to 0.96%, respectively. In addition, the loss of voltage relays trip time at zero volts will be modified from the present 0.75 ± 0.25 seconds to equal or less than 1 second. The voltage setpoint for the degraded grid voltage relays is also proposed to be increased from 412 volts to 415 volts.

II. Evaluation

The licensee states that the proposed tolerances are more realistic to maintain due to the inherent characteristics of these relays and do not impact their safety functions. With the proposed tolerances, the sensing voltage for the loss of voltage relay can drop to a minimum of 295 volts under the worst condition. However, this voltage is higher than the contactor drop-out voltage (291) volts) and does not prevent the safety equipment from performing their respective functions under worst case transient conditions. The proposed increase of voltage and tolerance for the degraded grid voltage relays from $412 \pm 1V$ to $415 \pm 4V$ does not change the magnitude of the minimum trip value, since, in both cases, the setpoint minimum voltage under the worst case condition remain the same, 411 volts.

III. Summary

Based on the above (II) discussions we find the proposed Technical Specification changes acceptable.

IV. Environmental Consideration

This amendment involves a change in the installation or use of a facility component located within the restricted area as defined in 10 CFR Part 20. The staff has determined that the amendment involves no significant increase in the amounts, and no significant change in the types, of any effluents that may be released offsite, and that there is no significant increase in

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individual or cumulative occupational radiation exposure. The Commission has previously issued a proposed finding that this amendment involves no significant hazards consideration and there has been no public comment on such finding. Accordingly, this amendment meets the eligibility criteria for categorical exclusion set forth in 10 CFR Sec 51.22(c)(9). Pursuant to 10 CFR 51.22(b) no environmental impact statement or environmental assessment need be prepared in connection with the issuance of this amendment.

V. Conclusion

We have concluded, based on the considerations discussed above, that: (1) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, and (2) such activities will be conducted in compliance with the Commission's regulations and the issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public.

Dated: August 26, 1985

Principal Contributor:

H. Emami