



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

ENCLOSURE 1

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

CONFORMANCE TO REGULATORY GUIDE 1.97

CAROLINA POWER & LIGHT COMPANY

H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2

DOCKET NO. 50-261

1.0 INTRODUCTION

By letter dated May 1, 1987, Carolina Power & Light Company submitted a request to change the reactor coolant pump seal return flow variable from a Type D Category 2 to a Type D Category 3 variable for the H. B. Robinson Steam Electric Plant, Unit No. 2.

Regulatory Guide 1.97, Revision 2, does not include a recommendation concerning the measurement of the reactor coolant pump seal return flow variable. This variable was designated as Type D Category 2 by the licensee.

2.0 EVALUATION

The licensee proposed that this variable be a Type D Category 2 variable to be consistent with the licensee's desire to have all post-accident monitors located inside the containment environmentally qualified. The licensee has stated that it is not feasible to environmentally qualify the existing instrumentation for this variable.

Changing the instrumentation to monitor the reactor coolant pump seal return flow variable to a Type D Category 3 variable is acceptable because this variable goes beyond the scope of the recommendations of Regulatory Guide 1.97.

3.0 CONCLUSION

Based on the above evaluation, the staff concludes that the proposed change to a Type D Category 3 variable for the instrumentation monitoring the reactor coolant pump seal return flow is acceptable.

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