Docket No. 50-400

· 12,

Mr. Lynn W. Eury Executive Vice President Power Supply Carolina Power & Light Company P. 0. Box 1551 Raleigh, N. C. 27602

Dear Mr. Eury:

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION FOR REACTOR COOLANT SYSTEM

PRESSURE-TEMPERATURE LIMITS AMENDMENT REQUEST - SHEARON HARRIS

NUCLEAR POWER PLANT, UNIT 1 (TAC NO. 71500)

By letter dated June 3, 1989, you submitted an application to revise numerous Shearon Harris Nuclear Power Plant, Unit 1, (Harris) Technical Specifications including 3.4.9.1 and 3.4.9.2, REACTOR COOLANT SYSTEM PRESSURE/TEMPERATURE LIMITS. This proposed amendment will revise the heatup and cooldown limits for the reactor coolant system and the associated Low Temperature Overpressure Protection (LTOP) system setpoints.

In our review of this amendment application, we find that we need the information requested in the enclosure to complete our review. Please respond to this request within 30 days of receipt of this letter.

The reporting and/or recordkeeping requirements contained in this letter affect fewer than ten respondents: therefore, OMB clearance is not required under P. L. 96-511

Sincerely.

Ngoc B. Le/for

Richard A. Becker, Project Manager Project Directorate II-1 Division of Reactor Projects-I/II Office of Nuclear Reactor Regulation

cc: See next page

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Mr. L. W. Eury Carolina Power & Light Company

cc:

Mr. R. E. Jones, General Counsel Carolina Power & Light Company P. O. Box 1551 Raleigh, North Carolina 27602

Resident Inspector/Harris NPS c/o U. S. Nuclear Regulatory Commission Route 1, Box 315B New Hill, North Carolina 27562

Mr. R. B. Richey, Manager Harris Nuclear Project Harris Nuclear Plant P. O. Box 165 New Hill, North Carolina 27562

Mr. H. A. Cole Special Deputy Attorney General State of North Carolina P. O. Box 629 Raleigh, North Carolina 27602 Shearon Harris

Regional Administrator, Region II U.S. Nuclear Regulatory Commission 101 Marietta Street Suite 2900 Atlanta, Georgia 30323

Mr. C. S. Hinnant
Plant General Manager
Harris Nuclear Plant
P. O. Box 165
New Hill, North Carolina 27562

Mr. Dayne H. Brown, Director
Division of Radiation Protection
N. C. Department of Environmental,
Commerce & Natural Resources
P. O. Box 27687
Raleigh, North Carolina 27611-7687

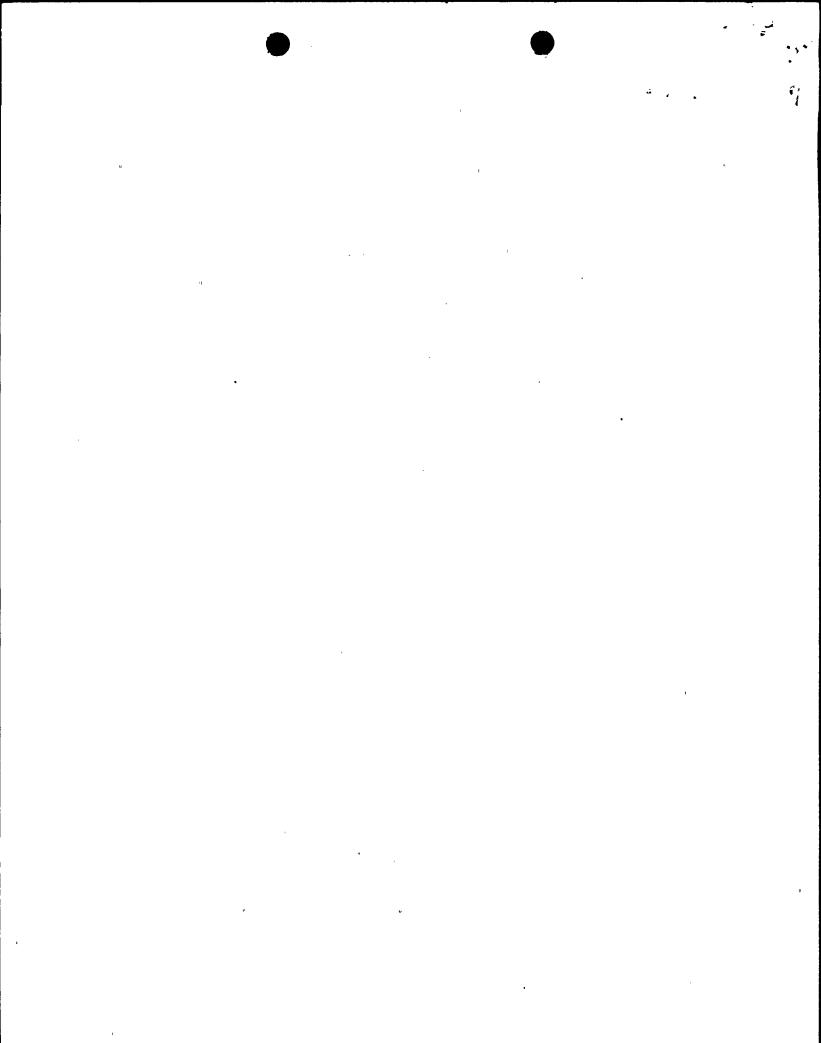
## REQUEST FOR ADDITIONAL INFORMATION

## AMENDMENT REQUEST FOR REACTOR COOLANT SYSTEM

## PRESSURE-TEMPERATURE LIMITS

Describe the thermal-hydraulic analysis performed in the power operated relief valve (PORV) setpoint study to prevent a potential violation of allowable pressure-temperature (P/T) limits during plant heatup and cooldown. Including the following:

- a. Major assumptions used in the current analysis as well as the analysis presented in the Final Safety Analysis Report.
- b. Brief discussion of the method/computer code used in the analysis.
- c. Transient Reactor Coolant System (RCS) pressure at various PORV setpoints.
- d. Comparison of the peak RCS transient pressure with the allowable P/T limits to confirm that the Appendix G P/T limits will not be violated.



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