

March 16, 1990

Docket No. 50-400

Mr. Lynn W. Eury
Executive Vice President
Power Supply
Carolina Power & Light Company
P. O. 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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The following information was obtained from the records of the
 Department of the Interior, Bureau of Land Management, on
 the subject of the land in question.
 The land in question is situated in the
 County of _____ State of _____
 and is described as follows:
 Section _____ Township _____ Range _____
 The land is owned by _____
 and is being offered for sale by the
 Department of the Interior, Bureau of Land Management.
 The land is being offered for sale at a price of
 \$_____.
 The land is being offered for sale on the following
 terms:

1. The land is being offered for sale on a cash basis.
 2. The land is being offered for sale on a 5-year
 installment plan.
 3. The land is being offered for sale on a 10-year
 installment plan.
 4. The land is being offered for sale on a 15-year
 installment plan.
 5. The land is being offered for sale on a 20-year
 installment plan.
 The land is being offered for sale on the following
 terms:

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 The land in question is situated in the
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 4. The land is being offered for sale on a 15-year
 installment plan.
 5. The land is being offered for sale on a 20-year
 installment plan.
 The land is being offered for sale on the following
 terms:

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

Shearon Harris

cc:

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

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

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

Mr. C. S. Hinnant
Plant General Manager
Harris Nuclear Plant
P. O. Box 165
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. 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

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

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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R. Becker

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OGC (For inform. Only)

15-B-18

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