

September 30, 1997

Mr. W. R. Robinson, Vice President  
Shearon Harris Nuclear Power Plant  
Carolina Power & Light Company  
Post Office Box 165, Mail Code: Zone 1  
New Hill, North Carolina 27562-0165

SUBJECT: ISSUANCE OF AMENDMENT NO. 74 TO FACILITY OPERATING LICENSE NO. NPF-63 REGARDING SPECIFIC TIME LIMIT TO PLACE CHANNEL IN BYPASS- SHEARON HARRIS NUCLEAR POWER PLANT, UNIT 1 (TAC NO. M98050)

Dear Mr. Robinson:

The Nuclear Regulatory Commission has issued Amendment No. 74 to Facility Operating License No. NPF-63 for the Shearon Harris Nuclear Power Plant, Unit No. 1, in response to your request dated February 21, 1997. This amendment adds a specific time limit to Technical Specification Table 3.3-3 to place an inoperable refueling water storage tank level channel or an inoperable containment pressure high - 3 channel in a bypassed condition.

A copy of the related Safety Evaluation is enclosed. Notice of Issuance will be included in the Commission's regular bi-weekly Federal Register notice.

Sincerely,

Original signed by:

Vernon L. Rooney, Senior Project Manager  
Project Directorate II-1  
Division of Reactor Projects - I/II  
Office of Nuclear Reactor Regulation

Docket No. 50-400

Enclosures:

1. Amendment No. 74 to NPF-63
2. Safety Evaluation

cc w/enclosures:

See next page

\*Previously Concurred

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Distribution: See next page

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OFFICE	PM:PDII-1	LA:PDII-1*	D:PDII-1	OGC*	
NAME	VRooney	Dunnington <i>ETD</i>	JLyons	RBachmann	
DATE	9/29/97	7/24/97	9/30/97	8/8/97	
COPY	Yes/No	Yes/No	Yes/No	Yes/No	

OFFICIAL RECORD

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Mr. W. R. Robinson  
Carolina Power & Light Company

cc:

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Vice President and Senior Counsel  
Carolina Power & Light Company  
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Shearon Harris Nuclear Power Plant  
Unit 1

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UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555-0001

CAROLINA POWER & LIGHT COMPANY, et al.

DOCKET NO. 50-400

SHEARON HARRIS NUCLEAR POWER PLANT, UNIT 1

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 74  
License No. NPF-63

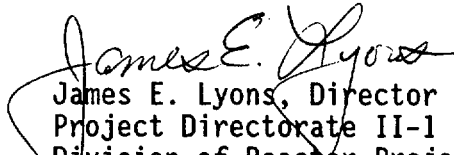
1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment by Carolina Power & Light Company, (the licensee), dated February 21, 1997, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations set forth in 10 CFR Chapter I;
  - B. The facility will operate in conformity with the application, the provisions of the Act, and the rules and regulations of the Commission;
  - C. There is reasonable assurance (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations;
  - D. The issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public; and
  - E. The issuance of this amendment is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.
2. Accordingly, the license is amended by changes to the Technical Specifications, as indicated in the attachment to this license amendment; and paragraph 2.C.(2) of Facility Operating License No. NPF-63 is hereby amended to read as follows:

(2) Technical Specifications and Environmental Protection Plan

The Technical Specifications contained in Appendix A, and the Environmental Protection Plan contained in Appendix B, both of which are attached hereto, as revised through Amendment No. 74, are hereby incorporated into this license. Carolina Power & Light Company shall operate the facility in accordance with the Technical Specifications and the Environmental Protection Plan.

3. This license amendment is effective as of the date of its issuance and shall be implemented within 60 days of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



James E. Lyons, Director  
Project Directorate II-1  
Division of Reactor Projects - I/II  
Office of Nuclear Reactor Regulation

Attachment:  
Changes to the Technical  
Specifications

Date of Issuance: September 30, 1997

ATTACHMENT TO LICENSE AMENDMENT NO. 74

FACILITY OPERATING LICENSE NO. NPF-63

DOCKET NO. 50-400

Replace the following page of the Appendix A Technical Specifications with the enclosed page. The revised area is indicated by a marginal line.

Remove Page

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Insert Page

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TABLE 3.3-3 (Continued)

TABLE NOTATIONS

\*The provisions of Specification 3.0.4 are not applicable.

#Trip function may be blocked in this MODE below the P-11 (Pressurizer Pressure Interlock) Setpoint.

\*\*During CORE ALTERATIONS or movement of irradiated fuel in containment, refer to Specification 3.9.9.

\*\*\*Trip function automatically blocked above P-11 and may be blocked below P-11 when Safety Injection on low steam line pressure is not blocked.

ACTION STATEMENTS

ACTION 14 - With the number of OPERABLE channels one less than the Minimum Channels OPERABLE requirement, be in at least HOT STANDBY within 6 hours and in COLD SHUTDOWN within the following 30 hours; however, one channel may be bypassed for up to 2 hours for surveillance testing per Specification 4.3.2.1, provided the other channel is OPERABLE.

ACTION 15 - With the number of OPERABLE channels one less than the Total Number of Channels, operation may proceed until performance of the next required CHANNEL OPERATIONAL TEST provided the inoperable channel is placed in the tripped condition within 1 hour.

ACTION 16 - With the number of OPERABLE channels one less than the Total Number of Channels, operation may proceed provided the inoperable channel is placed in the bypassed condition within 6 hours and the Minimum Channels OPERABLE requirement is met. One additional channel may be bypassed for up to 2 hours for surveillance testing per Specification 4.3.2.1.

ACTION 17 - With less than the Minimum Channels OPERABLE requirement, operation may continue provided the Containment Purge Makeup and Exhaust Isolation valves are maintained closed while in MODES 1, 2, 3 and 4 (refer to Specification 3.6.1.7). For MODE 6, refer to Specification 3.9.4.

ACTION 18 - With the number of OPERABLE channels one less than the Minimum Channels OPERABLE requirement, restore the inoperable channel to OPERABLE status within 48 hours or be in at least HOT STANDBY within the next 6 hours and in COLD SHUTDOWN within the following 30 hours.



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555-0001

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

CAROLINA POWER & LIGHT COMPANY

SHEARON HARRIS NUCLEAR POWER PLANT, UNIT 1

DOCKET NO. 50-400

1.0 INTRODUCTION

By letter dated February 21, 1997, the Carolina Power and Light Company (CP&L) requested an amendment to the Shearon Harris Nuclear Power Plant Technical Specifications (TS), Appendix A to Operating License NPF-63. The proposed amendment would add a specific time limit to TS Table 3.3-3 to place an inoperable refueling water storage tank (RWST) level channel in bypass.

2.0 EVALUATION

The level of the RWST is monitored by four channels of instrumentation. The safety function provided by this instrumentation is to automatically open the suction valves from the containment sump when two of the four channels sense the RWST level is at the Low - Low setpoint following a safety injection signal. If one channel is inoperable, Action 16 of TS Table 3.3-3 directs that the inoperable channel be placed in bypass. However, there is no specific time in which this action should be completed.

The licensee has proposed a change to Action 16 to specify that an inoperable channel must be placed in the bypass condition within 6 hours. Action 16 also applies to an inoperable containment pressure high - 3 channel. Therefore, the proposed change would also apply to an inoperable containment pressure high - 3 channel.

The proposed change provides definitive guidance for placing a channel in bypass and is the same as the time specified in the Westinghouse Improved Standard Technical Specifications, NUREG-1431, Rev.1 under Conditions E and K of Table 3.3.2-1 for an inoperable containment pressure high - 3 channel and an inoperable RWST channel, respectively. Therefore, the proposed change is in agreement with the staff generic guidance that has been developed for this requirement.

Based on the above evaluation, the staff concludes that the licensee's proposed technical specification change is consistent with the Shearon Harris Nuclear Power Plant licensing basis and the Westinghouse Improved Standard Technical Specifications and are, therefore, acceptable.

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### 3.0 STATE CONSULTATION

In accordance with the Commission's regulations, the State of North Carolina official was notified of the proposed issuance of the amendment. The State official had no comments.

### 4.0 ENVIRONMENTAL CONSIDERATION

The amendment changes a requirement with respect to installation or use of a facility component located within the restricted area as defined in 10 CFR Part 20. The NRC 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 individual or cumulative occupational radiation exposure. The Commission has previously issued a proposed finding that the amendment involves no significant hazards consideration, and there has been no public comment on such finding (62 FR 17225). Accordingly, the amendment meets the eligibility criteria for categorical exclusion set forth in 10 CFR 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 the amendment.

### 5.0 CONCLUSION

The Commission has 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, (2) such activities will be conducted in compliance with the Commission's regulations, and (3) the issuance of the amendment will not be inimical to the common defense and security or to the health and safety of the public.

Principal Contributor: Barry S. Marcus

Date: September 30, 1997



AMENDMENT NO. 74 TO FACILITY OPERATING LICENSE NO. NPF-63 - HARRIS, UNIT 1

~~Docket File~~

PUBLIC

PDII-1 Reading

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cc: Harris Service List