

December 28, 1994

Mr. C. S. Hinnant, Vice President  
Carolina Power & Light Company  
H. B. Robinson Steam Electric Plant,  
Unit No. 2  
Post Office Box 790  
Hartsville, South Carolina 29551-0790

SUBJECT: ISSUANCE OF AMENDMENT NO. 155 TO FACILITY OPERATING LICENSE NO. DPR-23 REGARDING THE DELETION OF THE AUXILIARY COOLANT SYSTEM HYDROSTATIC TEST - H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2 (TAC NO. M90146)

Dear Mr. Hinnant:

The Nuclear Regulatory Commission has issued the enclosed Amendment No. 155 to Facility Operating License No. DPR-23 for the H. B. Robinson Steam Electric Plant, Unit No. 2. This amendment changes the Technical Specifications (TS) in response to your request dated August 11, 1994.

The amendment deletes the requirement to perform a 5-year interval hydrostatic test on the auxiliary coolant system critical headers from TS Section 4.1.3, Table 4.1-3, Item 11.

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

Sincerely,

(Original Signed By)

Brenda L. Mozafari, Project Manager  
Project Directorate II-1  
Division of Reactor Projects - I/II  
Office of Nuclear Reactor Regulation

Docket No. 50-261

Enclosures: 1. Amendment No. 155 to DPR-23  
2. Safety Evaluation

cc w/enclosures: See next page

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AMENDMENT NO. 155 TO FACILITY OPERATING LICENSE NO. DPR-23 - H. B. ROBINSON  
STEAM ELECTRIC PLANT, UNIT NO. 2

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

CAROLINA POWER & LIGHT COMPANY

DOCKET NO. 50-261

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

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 155  
License No. DPR-23

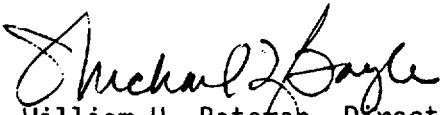
1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment by Carolina Power & Light Company (the licensee), dated August 11, 1994, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's 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 3.B. of Facility Operating License No. DPR-23 is hereby amended to read as follows:

B. Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 155, are hereby incorporated in the license. Carolina Power & Light Company shall operate the facility in accordance with the Technical Specifications.

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

FOR THE NUCLEAR REGULATORY COMMISSION

  
for William H. Bateman, 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: December 28, 1994

ATTACHMENT TO LICENSE AMENDMENT NO. 155

FACILITY OPERATING LICENSE NO. DPR-23

DOCKET NO. 50-261

Replace the following pages of the Appendix A Technical Specifications with the enclosed pages. The revised areas are indicated by marginal lines.

Remove Pages

4.1-12

Insert Pages

4.1-12

TABLE 4.1-3  
FREQUENCIES FOR EQUIPMENT TESTS

		<u>Check</u>	<u>Frequency</u>	<u>Maximum Time Between Tests</u>
1.	Control Rods	Rod drop times of all full length rods	Each refueling shutdown	NA*
2.	Control Rod	Partial movement of all full length rods	Every 2 weeks during reactor critical operations	20 days
3.	Pressurizer Safety Valves	Set point	Each refueling shutdown	NA
4.	Main Steam Safety Valves	Set point	Each refueling shutdown	NA
5.	Containment Isolation Trip	Functioning	Each refueling shutdown	NA
6.	Refueling System Interlocks	Functioning	Prior to each refueling shutdown	NA
7.	Service Water System	Functioning	Each refueling shutdown	NA
8.	DELETED			
9.	Primary System Leakage	Evaluate	Daily when reactor coolant system is above cold shutdown condition	NA
10.	Diesel Fuel Supply	Fuel Inventory	Weekly	10 days
11.	DELETED			
12.	Turbine Steam Stop, Control, Reheat Stop, and Interceptor Valves	Closure	Monthly during power operation and prior to startup	45 days



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION  
RELATED TO AMENDMENT NO. 155 TO FACILITY OPERATING LICENSE NO. DPR-23  
CAROLINA POWER & LIGHT COMPANY  
H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2  
DOCKET NO. 50-261

1.0 INTRODUCTION

By letter dated August 11, 1994, Carolina Power & Light Company (the licensee) submitted a request for changes to the H. B. Robinson Steam Electric Plant, Unit No. 2 (HBR2), Technical Specifications (TS). The requested changes would delete the requirement in Section 4.1.3, Table 4.1-3, Item 11, from the HBR2 TS.

2.0 EVALUATION

The requirement in Section 4.1.3, Table 4.1-3, Item 11, of the HBR2 TS pertains to the performance of a TS hydrostatic test at a 5-year interval on the auxiliary coolant system critical headers at 100 psig. The HBR2 TS, Section 4.0.1, requires that the inservice inspection and testing provisions of the American Society of Mechanical Engineers Code (ASME Code), Section XI, be met in accordance with 10 CFR 50.55a. The ASME Code, Section XI, requires that a system pressure test be performed on the auxiliary coolant system critical headers once every 40 months. The system pressure test is conducted at the nominal operating pressure of the headers, which is approximately 95 psig. Section XI also requires an ASME Code hydrostatic test of the auxiliary coolant system headers at approximately 110 psig once every 10 years.

According to the licensee's procedures, the corrective actions that the licensee would take upon the discovery of leakage during the conduct of the 5-year interval TS hydrostatic test of the auxiliary coolant system critical headers are the same as those required under the pressure testing rules of the ASME Code.

Industry experience has demonstrated that leaks are not being discovered as a result of the 10-year ASME Code hydrostatic test pressures propagating a preexisting flaw through wall. The ASME Code hydrostatic test pressures are greater than either nominal operating pressures or design pressures. Experience indicates that when leaks are found, in most cases, they are found when the system is at nominal operating pressure. This is largely due to the fact that ASME Code hydrostatic pressure testing is required only upon installation and then once every 10-year inspection interval, while system pressure tests at nominal operating pressures are conducted a minimum of once each 40-month inspection period for Class 2 and 3 systems. In addition, leaks may be identified by plant operators during system walkdowns that may be



conducted as often as once a shift. On that basis, there is no significant difference in the assurance provided by performing these pressure tests at 95 psig versus 100 psig or 110 psig. The TS hydrostatic test, therefore, is redundant to the ASME Code required pressure tests.

The 5-year interval hydrostatic test required by the TS is redundant to the pressure tests already required by the ASME Code and performed by the licensee. Therefore, the TS requirement does not provide any significant increase in the level of safety over that already provided by the ASME Code. Accordingly, the licensee's request to delete Item 11 from Table 4.1-3 of TS Section 4.1.3 is approved.

### 3.0 STATE CONSULTATION

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

### 4.0 ENVIRONMENTAL CONSIDERATION

The amendment changes the Surveillance Requirements. 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 (59 FR 60379). 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: E. Sullivan

Date: December 28, 1994