

OCTOBER 6 1978

Docket No. 50-261

DISTRIBUTION
 Docket File 50-261
 NRC PDR
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 D. Neighbors
 OELD
 OI&E(5)
 B. Jones (4)
 B. Scharf (15)
 B. Harless
 B. Grimes
 ACRS (16)
 OPA (Clare Miles)
 R. Diggs
 J. Carter

Carolina Power and Light Company
 ATTN: Mr. J. A. Jones
 Senior Vice President
 336 Fayetteville Street
 Raleigh, North Carolina 27602

Gentlemen:

The Commission has issued the enclosed Amendment No. ³⁴ to Facility Operating License No. DPR-23 for the H. B. Robinson Steam Electric Plant, Unit No. 2. This amendment is in response to your application dated December 2, 1977.

The amendment revises Technical Specifications 4.5.2.4 and 4.5.2.6 concerning testing requirements of the containment spray additive valves and the refueling water storage tank outlet valves. These changes are consistent with NRC guidance for meeting the requirements of 10 CFR 50.55a(g)

The NRC Safety Evaluation and Notice of Issuance for this amendment are also enclosed.

Sincerely,

Original Signed By

A. Schwencer, Chief
 Operating Reactors Branch #1
 Division of Operating Reactors

Enclosures:

1. Amendment No. ³⁴ to DPR-23
2. Safety Evaluation
3. Notice of Issuance

cc: w/enclosures
 See next page

OFFICE	DOR:ORB1	DOR:ORB1	DOR:EB	OELD	DOR:ORB1
SURNAME	DNeighbors:jd	CParrish	VNoonan	S H Lewis	ASchwencer
DATE	10/2/78	1/1/78	10/3/78	10/5/78	10/10/78

Handwritten notes:
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October 6, 1978

cc: G. F. Trowbridge, Esquire
Shaw, Pittman, Potts & Trowbridge
1800 M Street, NW
Washington, D.C. 20036

Hartsville Memorial Library
Home and Fifth Avenues
Hartsville, South Carolina 29550

Mr. McCuen Morrell, Chairman
Darlington County Board of Supervisors
County Courthouse
Darlington, South Carolina 29535

State Clearinghouse
Division of Policy Development
116 West Jones Street
Raleigh, North Carolina 27603

Chief, Energy Systems
Analyses Branch (AW-459)
Office of Radiation Programs
U.S. Environmental Protection Agency
Room 645, East Tower
401 M Street, SW
Washington, D.C. 20460

U.S. Environmental Protection Agency
Region IV Office
ATTN: EIS COORDINATOR
345 Courtland Street, NE
Atlanta, Georgia 30308



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

CAROLINA POWER AND LIGHT COMPANY

DOCKET NO. 50-261

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

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 34
License No. DPR-23

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by Carolina Power and Light Company (the licensee) dated December 2, 1977, 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 applications, 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. 34, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

3. This license amendment is effective as of the date of its issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



A. Schwencer, Chief
Operating Reactors Branch #1
Division of Operating Reactors

Attachment:
Changes to the Technical
Specifications

Date of Issuance: October 6, 1978

ATTACHMENT TO LICENSE AMENDMENT NO. 34

FACILITY OPERATING LICENSE NO. DPR-23

DOCKET NO. 50-261

Revise Appendix A as follows:

Remove pages 4.5-3 and insert identically numbered revised page 4.5-3.

4.5.2.2 Acceptable levels of performance shall be that the pumps start, reach their required developed head on recirculation flow and the control board indications and visual observation indicate that the pumps are operating properly. The pumps should be run for at least 15 minutes.

Valves

4.5.2.3 The boron injection tank isolation valves shall be opened and closed one at a time by operator action at intervals not to exceed one month when the reactor coolant system is above the cold shutdown condition. When periods of reactor cold shutdown extend this interval beyond one month, the test shall be performed prior to reactor heatup.

4.5.2.4 The spray additive valves shall be tested with the pumps shut down and the containment spray pump suction valves closed. Each spray additive valve will be opened and closed by operator action at each cold shutdown which extends more than 48 hours but not more often than once each quarter.

4.5.2.5 The accumulator check valves will be checked for operability during each refueling shutdown.

4.5.2.6 The refueling water storage tank outlet valves shall be tested at each cold shutdown which extends more than 48 hours but not more often than once each quarter.

Basis

The Safety Injection System and the Containment Spray System are principal plant safeguards that are normally inoperative during reactor operation. Complete systems tests cannot be performed when the reactor is operating because a safety injection signal causes reactor trip, main feedwater isolation and containment isolation, and a Containment Spray System test requires the system to be



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20565

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

SUPPORTING AMENDMENT NO. 34 TO FACILITY LICENSE NO. DPR-23

CAROLINA POWER AND LIGHT COMPANY

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

DOCKET NO. 50-261

Introduction

By letter dated December 2, 1977, Carolina Power and Light Company (the licensee) requested changes to the Technical Specifications appended to Facility Operating License No. DPR-23 for the H. B. Robinson Steam Electric Plant, Unit No. 2 (Robinson 2). The changes would revise the testing requirements for the containment spray additive valves and the refueling water storage tank outlet valves.

Discussion

By letter dated November 17, 1976, we provided the licensee guidelines for excluding the exercising tests of certain valves during plant operation. One of these guidelines states that "All valves whose failure in a non-conservative position during the cycling test would cause a loss of system function should not be exercised."

The licensee has identified the following two groups of valves now required to be cycled which do not meet this guideline. Technical Specification 4.5.2.4 currently requires the cycling of the spray additive valves once per month. In order to perform this test it is necessary that the entire containment spray system be placed in an inoperable condition. Technical Specification 4.5.2.6 requires that the outlet valves for the refueling water storage tank be cycled during the monthly safety injection and RHR pump tests. When these valves are closed the safety injection and containment spray systems are made inoperable.

Evaluation

Following the guidance provided by NRC, the licensee determined that cycling of the containment spray additive valves requires that the entire containment spray system be placed in an inoperable condition. The licensee also stated that the cycling of the refueling water storage tank outlet valves places the entire safety injection and containment spray systems in an inoperable condition. Failure of the cycled valves during this test could result in a loss of function for these systems. Therefore, these valves following our November 17, 1976 guidance, should not be cycled during plant operation. In place of testing during plant operation, the licensee has proposed to test these valves during cold shutdown but not more frequently than quarterly. This proposal is consistent with 10 CFR 50.55a which uses as a reference, Section XI of the ASME Boiler and Pressure Vessel Code.

Based on our evaluation, we find these changes as proposed by the licensee are acceptable with one exception. In our judgment, a cold shutdown lasting 48 hours or more provides ample time to perform these tests. We discussed this with the licensee who agreed to a reduction of the proposed figure of 72 hours.

Environmental Consideration

We have determined that this amendment does not authorize a change in effluent types or total amounts nor an increase in power level and will not result in any significant environmental impact. Having made this determination, we have further concluded that this amendment involves an action which is insignificant from the standpoint of environmental impact and, pursuant to 10 CFR §51.5(d)(4), that an environmental impact statement, or negative declaration and environmental impact appraisal need not be prepared in connection with the issuance of this amendment.

Conclusion

We have concluded, based on the considerations discussed above, that: (1) because the amendment involves neither a significant increase in the probability or consequences of accidents previously considered nor a significant decrease in a safety margin, the amendment does not involve a significant hazards consideration, (2) there is reasonable

assurance that the health and safety of the public will not be endangered by operation in the proposed manner, and (3) such activities will be conducted in compliance with the Commission's regulations and the issuance of the amendment will not be inimical to the common defense and security or to the health and safety of the public.

Dated: October 6, 1978

UNITED STATES NUCLEAR REGULATORY COMMISSIONDOCKET NO. 50-261CAROLINA POWER AND LIGHT COMPANYNOTICE OF ISSUANCE OF AMENDMENT TO FACILITY
OPERATING LICENSE

The U. S. Nuclear Regulatory Commission (the Commission) has issued Amendment No. 34 to Facility Operating License No. DPR-23, issued to the Carolina Power and Light Company, (the licensee), which revised Technical Specifications for operation of the H. B. Robinson Steam Electric Plant Unit No. 2 (the facility) located in Darlington County, Hartsville, South Carolina. The amendment is effective as of the date of its issuance.

The amendment revises Technical Specifications 4.5.2.4 and 4.5.2.6 concerning testing requirements of the containment spray additive valves and the refueling water storage tank outlet valves. These changes are consistent with NRC guidance for meeting the requirements of 10 CFR 50.55a(g).

The application for the amendment complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations. The Commission has made appropriate findings as required by the Act and

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the Commission's rules and regulations in 10 CFR Chapter I, which are set forth in the license amendment. Prior public notice of this amendment was not required since the amendment does not involve a significant hazards consideration.

The Commission has determined that the issuance of this amendment will not result in any significant environmental impact and that pursuant to 10 CFR §51.5(d)(4) an environmental impact statement, or negative declaration and environmental impact appraisal need not be prepared in connection with issuance of this amendment.

For further details with respect to this action, see (1) the licensee's submittals dated December 2, 1977, (2) Amendment No. 34 to License No. DPR-23, and (3) the Commission's related Safety Evaluation. All of these items are available for public inspection at the Commission's Public Document Room, 1717 H Street, N.W., Washington, D. C. and at the Hartsville Memorial Library, Home and Fifth Avenues, Hartsville, South Carolina. A copy of

items (2) and (3) may be obtained upon request addressed to the
U. S. Nuclear Regulatory Commission, Washington, D. C. 20555,
Attention: Director, Division of Operating Reactors.

Dated at Bethesda, Maryland, this 6th day of October 1978.

FOR THE NUCLEAR REGULATORY COMMISSION

A handwritten signature in cursive script, appearing to read "A. Schwencer", with a long horizontal flourish extending to the right.

A. Schwencer, Chief
Operating Reactors Branch #1
Division of Operating Reactors