

DCD-016

Docket Nos. 50-325
and 50-324

September 9, 1982

Mr. J. A. Jones
Senior Executive Vice President
Carolina Power & Light Company
P. O. Box 1551
Raleigh, North Carolina 27602

Dear Mr. Jones:

The Commission has issued the enclosed Amendment Nos. 49 and 74 to Facility Operating License Nos. DPR-71 and DPR-62 for the Brunswick Steam Electric Plant, Units 1 and 2. The amendments consist of changes to the licenses in response to your telecopied submittal of July 1, 1982. The amendments were previously authorized by our letter dated July 1, 1982.

The amendments change the licenses to permit continued operation until such time as certain surveillances can be performed, but, in any event, no later than July 15, 1982.

Copies of the Safety Evaluation and Notice of Issuance are also enclosed.

Sincerely,

Original signed by

Domenic B. Vassallo, Chief
Operating Reactors Branch #2
Division of Licensing

Enclosures:

- 1. Amendment No. 49 to DPR-71
- 2. Amendment No. 74 to DPR-62
- 3. Safety Evaluation
- 4. Notice

cc w/enclosures:

See next page

Distribution: Docket File

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L. Schneider	D. Brinkman	OELD	SECY	OI&E-2	T. Barnhart-8.
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		Extra-5			

F.A. HOTICK
AMENDMENTS

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SURNAME	S. Norris	J. Van Vliet	D. Vassallo	G. Alainas	N. Kakas	
	8/31/82	8/31/82	8/13/82	8/13/82	9/12/82	

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PDR

OFFICIAL RECORD COPY

Mr. J. A. Jones
Carolina Power & Light Company

cc:

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

CAROLINA POWER & LIGHT COMPANY

DOCKET NO. 50-325

BRUNSWICK STEAM ELECTRIC PLANT, UNIT NO. 1

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 49
License No. DPR-71

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by Carolina Power & Light Company dated July 1, 1982 complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's 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 adding paragraph 2.C.(2)(a) to Facility Operating License No. DPR-71 as follows:
 - (a) Effective June 30, 1982, the surveillance requirements listed below need not be completed until July 15, 1982. Upon accomplishment of the surveillances, the provisions of Technical Specification 4.0.2 shall apply.

Specification 4.3.3.1, Table 4.3.3-1, Items 5.a and 5.b

3. This license amendment is effective as of July 1, 1982.

FOR THE NUCLEAR REGULATORY COMMISSION

A handwritten signature in black ink, appearing to read "D. Vassallo", with a long horizontal flourish extending to the right.

Domenic B. Vassallo, Chief
Operating Reactors Branch #2
Division of Licensing

Date of Issuance: September 9, 1982



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

CAROLINA POWER & LIGHT COMPANY

DOCKET NO. 50-324

BRUNSWICK STEAM ELECTRIC PLANT, UNIT NO. 2

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 74
License No. DPR-62

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by Carolina Power & Light Company dated July 1, 1982, 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 adding paragraph 2.C.(2)(b) to Facility Operating License No. DPR-62 as follows:
 - (b) Effective June 30, 1982, the surveillance requirements listed below need not be completed until restart for Cycle 5 or July 15, 1982, whichever occurs first. The unit shall not be operated in Conditions 1, 2 or 3 until the surveillance requirements listed below have been completed. Upon accomplishment of the surveillances, the provisions of Technical Specification 4.0.2 shall apply.

Specification 4.3.3.1, Table 4.3.3-1, Items 5.a and 5.b.

3. This license amendment is effective as of July 1, 1982.

FOR THE NUCLEAR REGULATORY COMMISSION



Domenic B. Vassallo, Chief
Operating Reactors Branch #2
Division of Licensing

Date of Issuance: September 9, 1982



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION
SUPPORTING AMENDMENT NO. 49 TO FACILITY LICENSE NO. DPR-71 AND
AMENDMENT NO. 74 TO FACILITY LICENSE NO. DPR-62
CAROLINA POWER & LIGHT COMPANY
BRUNSWICK STEAM ELECTRIC PLANT, UNITS 1 AND 2
DOCKET NOS. 50-325 AND 50-324

Author: J. Van Vliet

1.0 Introduction

By letter dated July 1, 1982, the Carolina Power & Light Company (the licensee) submitted proposed changes to Facility Operating License Nos. DPR-71 and DPR-62 for the Brunswick Steam Electric Plant (BSEP), Unit Nos. 1 and 2. The proposed changes permit continued power operation of BSEP Unit No. 1 until such time as the undervoltage and degraded voltage relay surveillance Technical Specification requirements can be performed; but, in any event, no later than July 15, 1982. For BSEP Unit No. 2, the proposed changes permit continued operation only in Conditions 4 (cold shutdown) or 5 (refueling) until such time as the surveillances can be performed but, in any event, no later than restart for fuel Cycle No. 5 or July 15, 1982, whichever occurs first.

2.0 Background

On June 28, 1982 BSEP Unit No. 1 scrambled because of a momentary degraded voltage condition on emergency bus E-2 following the start of a circulating water pump. During the ensuing investigation it was determined that the Technical Specification surveillance requirements for the undervoltage and degraded voltage relays had never been performed on either BSEP unit. At the time of this discovery BSEP Unit No. 1 was operating at power, and BSEP Unit No. 2 was shutdown for refueling. Rather than declaring the relays inoperable and securing all offsite power to the emergency busses, as required by Technical Specifications, the licensee proposed a one-time exemption from the surveillance requirements until such time as surveillance procedures could be developed, approved and performed.

3.0 Evaluation

The missed surveillances are the channel calibration of the undervoltage relays, and the channel check, channel functional test and channel calibration of the degraded voltage relays. The licensee asserts, in its submittal that, as of July 1, 1982 channel checks have been started and will continue to be performed per Technical Specifications. The licensee further asserts that the June 28, 1982 scram, in essence, demonstrated the operability of the relays. We note the

licensees assertions and agree that the June 28, 1982 scram demonstrated relay operability on BSEP Unit No. 1. Assurance of relay operability on BSEP Unit No. 2 is supported by the June 28, 1982 event, to some degree, because the system designs are identical. Additionally, we consider the probability of an event occurring in which **the relays would be required to** operate during the period in question (June 30-July 15) to be remote. Thus, for the reasons stated above, but particularly because relay operability has recently been demonstrated on the unit which will be permitted to operate at power, we find the proposed amendments to be acceptable.

4.0 Environmental Considerations

Based on the foregoing, we have determined that the amendments do 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 the amendments involve 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, negative declaration or environmental impact appraisal need not be prepared in connection with the issuance of the amendments.

5.0 Conclusion

We have concluded, based on the considerations discussed above, that: (1) because the amendments do not involve a significant increase in the probability or consequences of an accident previously evaluated, do not create the possibility of an accident of a type different from any evaluated previously, and do not involve a significant reduction in a margin of safety, the amendments do 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 amendments will not be inimical to the common defense and security or to the health and safety of the public.

Dated: September 9, 1982

UNITED STATES NUCLEAR REGULATORY COMMISSIONDOCKET NOS. 50-325 AND 50-324CAROLINA POWER & LIGHT COMPANYNOTICE OF ISSUANCE OF AMENDMENTS TO FACILITY
OPERATING LICENSES

The U.S. Nuclear Regulatory Commission (the Commission) has issued Amendment Nos. 49 and 74 to Facility Operating License Nos. DPR-71 and DPR-62 issued to Carolina Power & Light Company (the licensee) which revised the licenses for operation of the Brunswick Steam Electric Plant, Units 1 and 2 (the facility), located in Brunswick County, North Carolina. The amendments are effective as of July 1, 1982.

The amendments change the licenses to permit continued operation until such time as certain surveillances can be performed; but, in any event, no later than July 15, 1982.

The application for amendments 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 the Commission's rules and regulations in 10 CFR Chapter I, which are set forth in the license amendments. Prior public notice of these amendments was not required since the amendments do not involve a significant hazards consideration.

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

For further details with respect to this action, see (1) the application for amendments dated July 1, 1982, (2) Amendment Nos. 49 and 74 to License Nos. DPR-71 and DPR-62, and (3) the Commission's related Safety Evaluation. 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 Southport-Brunswick County Library, 109 West Moore Street, Southport, North Carolina 28461. 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 Licensing.

Dated at Bethesda, Maryland, this 9th day of September 1982.

FOR THE NUCLEAR REGULATORY COMMISSION



Domenic B. Vassallo, Chief
Operating Reactors Branch #2
Division of Licensing