



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

CAROLINA POWER & LIGHT COMPANY, et al.

DOCKET NO. 50-325

BRUNSWICK STEAM ELECTRIC PLANT, UNIT 1

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 145
License No. DPR-71

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment filed by Carolina Power & Light Company (the licensee), dated July 9, 1990, as supplemented August 16, August 21, and September 18, 1990, 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. DPR-71 is hereby amended to read as follows:

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(2) Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 145, 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 of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION

Original Signed By:

Elinor G. Adensam, Director
 Project Directorate II-1
 Division of Reactor Projects - 1/11
 Office of Nuclear Reactor Regulation

Attachment:
 Changes to the Technical
 Specifications

Date of Issuance: October 5, 1990

OFC	:LA:PD21:DRPR:PM:PD21:DRPR:	OGC	:D:PD21:DRPR:	:	:
NAME	:PAnderson	:NLe:dt	:	:EAdensam	:
DATE	:9/21/90	:9/26/90	:10/3/90	:10/4/90	:

ATTACHMENT TO LICENSE AMENDMENT NO. 145

FACILITY OPERATING LICENSE NO. DPR-71

DOCKET NO. 50-325

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

Remove Pages

3/4 8-1

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3/4 8-5

Insert Pages

3/4 8-1

3/4 8-1a

3/4 8-5

3/4.8 ELECTRICAL POWER SYSTEMS

3/4.8.1 A.C. SOURCES

OPERATING

LIMITING CONDITION FOR OPERATION

3.8.1.1 As a minimum, the following A.C. electrical power sources shall be OPERABLE:

- a. Two physically independent circuits, per unit, between the offsite transmission network and the onsite Class 1E distribution system, and
- b. Four separate and independent diesel generators, each with:
 1. A separate engine-mounted fuel tank containing a minimum of 100 gallons of fuel,
 2. A separate day fuel tank containing a minimum of 22,650 gallons of fuel, and
 3. A separate fuel transfer pump.
- c. A plant fuel storage tank containing a minimum of 74,000 gallons of fuel.

APPLICABILITY: OPERATIONAL CONDITIONS 1, 2, and 3.

ACTION

- a. With one offsite circuit of the above required A.C. electrical power sources not capable of supplying the Class 1E distribution system:
 1. Demonstrate the OPERABILITY of the remaining A.C. offsite source by performing Surveillance Requirement 4.8.1.1.1.a within 2 hours and at least once per 12 hours thereafter;
 2. Demonstrate the OPERABILITY of the diesel generators by performing Surveillance Requirements 4.8.1.1.2.a.4 and 4.8.1.1.2.a.5 within 24 hours and at least once per 72 hours thereafter;
 3. Restore the inoperable offsite circuit to OPERABLE status within 72 hours or be in at least HOT SHUTDOWN within the next 12 hours and in COLD SHUTDOWN within the following 24 hours.

*** With Unit 2 in OPERATIONAL CONDITION 4 or 5 and one of the required Unit 2 offsite power circuits not capable of supplying the Unit 2 Class 1E distribution system, either restore the inoperable Unit 2 offsite circuit to OPERABLE status within 45 days or place Unit 1 in at least HOT SHUTDOWN within the next 12 hours and in COLD SHUTDOWN within the following 24 hours. The provisions of ACTIONS 3.8.1.1.a.1, 3.8.1.1.a.2, and 3.8.1.1.a.3 are not applicable.

ELECTRICAL POWER SYSTEMS

LIMITING CONDITION FOR OPERATION (Continued)

ACTION (Continued):

- b. With a diesel generator of the above required A.C. electrical power source inoperable*:

* A diesel generator shall be considered to be inoperable from the time of failure until it satisfies the requirements of Surveillance Requirements 4.8.1.1.2.a.4 and 4.8.1.1.2.a.5.

ELECTRICAL POWER SYSTEMS

SHUTDOWN

LIMITING CONDITION FOR OPERATION

3.8.1.2 As a minimum, the following A.C. electrical power sources shall be OPERABLE:

- a. One circuit per Unit between the offsite transmission network and the onsite Class 1E distribution system, and
- b. Two diesel generators, one of which shall be diesel generator 1 or 2, as required to operate ECCS systems in accordance with Specifications 3.5.3.1 and 3.5.3.2:
 1. Each with a separate:
 - a) Engine-mounted fuel tank containing a minimum of 100 gallons of fuel,
 - b) Day fuel tank containing a minimum of 22,650 gallons of fuel, and
 - c) Fuel transfer pump.
 2. With a fuel storage tank containing a minimum of 37,000 gallons of fuel.

APPLICABILITY: OPERATIONAL CONDITIONS 4 and 5.

ACTION:

With less than the above minimum required A.C. electrical power sources OPERABLE, suspend all operations involving irradiated fuel handling, CORE ALTERATIONS, positive reactivity changes, or operations that have the potential of draining the reactor vessel. The provisions of Specification 3.0.3 are not applicable.

SURVEILLANCE REQUIREMENTS

4.8.1.2 The above required A.C. electrical power sources shall be demonstrated OPERABLE per surveillance requirements of Specifications 4.8.1.1.1 and 4.8.1.1.2, except for the requirement of 4.8.1.1.2.a.5.



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

CAROLINA POWER & LIGHT COMPANY, et al.

DOCKET NO. 50-324

BRUNSWICK STEAM ELECTRIC PLANT, UNIT 2

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 176
License No. DPR-62

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment filed by Carolina Power & Light Company (the licensee), dated July 9, 1990, as supplemented August 16, August 21, and September 19, 1990, 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. DPR-62 is hereby amended to read as follows:

(2) Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No.176, 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 of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION

Original Signed By:

Elinor G. Adensam, 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: October 5, 1990

OFC	:LA:PD21:DRPR:PM:PD21:DRPR:	OGC	:D:PD21:DRPR:	:	:
NAME	:PAnderson	:NLe:dt	:	:EAdensam	:
DATE	:9/27/90	:9/26/90	:10/3/90	:10/4/90	:

ATTACHMENT TO LICENSE AMENDMENT NO. 176

FACILITY OPERATING LICENSE NO. DPR-62

DOCKET NO. 50-324

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

Remove Pages

3/4 8-1

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3/4 8-5

Insert Pages

3/4 8-1

3/4 8-1a

3/4 8-5

3/4.8 ELECTRICAL POWER SYSTEMS

3/4.8.1 A.C. SOURCES

OPERATING

LIMITING CONDITION FOR OPERATION

3.8.1.1 As a minimum, the following A.C. electrical power sources shall be OPERABLE:

- a. Two physically independent circuits, per unit, between the offsite transmission network and the onsite Class 1E distribution system, and
- b. Four separate and independent diesel generators, each with:
 1. A separate engine-mounted fuel tank containing a minimum of 100 gallons of fuel,
 2. A separate day fuel tank containing a minimum of 22,650 gallons of fuel, and
 3. A separate fuel transfer pump.
- c. A plant fuel storage tank containing a minimum of 74,000 gallons of fuel.

APPLICABILITY: OPERATIONAL CONDITIONS 1, 2, and 3.

ACTION

- a. With one offsite circuit of the above required A.C. electrical power sources not capable of supplying the Class 1E distribution system:
 1. Demonstrate the OPERABILITY of the remaining A.C. offsite source by performing Surveillance Requirement 4.8.1.1.1.a within 2 hours and at least once per 12 hours thereafter;
 2. Demonstrate the OPERABILITY of the diesel generators by performing Surveillance Requirements 4.8.1.1.2.a.4 and 4.8.1.1.2.a.5 within 24 hours and at least once per 72 hours thereafter;
 3. Restore the inoperable offsite circuit to OPERABLE status within 72 hours or be in at least HOT SHUTDOWN within the next 12 hours and in COLD SHUTDOWN within the following 24 hours.

* With Unit 1 in OPERATIONAL CONDITION 4 or 5 and one of the required Unit 1 offsite power circuits not capable of supplying the Unit 1 Class 1E distribution system, either restore the inoperable Unit 1 offsite circuit to OPERABLE status within 45 days or place Unit 2 in at least HOT SHUTDOWN within the next 12 hours and in COLD SHUTDOWN within the following 24 hours. The provisions of ACTIONS 3.8.1.1.a.1, 3.8.1.1.a.2, and 3.8.1.1.a.3 are not applicable.

ELECTRICAL POWER SYSTEMS

LIMITING CONDITION FOR OPERATION (Continued)

ACTION (Continued):

- b. With a diesel generator of the above required A.C. electrical power source inoperable:

* A diesel generator shall be considered to be inoperable from the time of failure until it satisfies the requirements of Surveillance Requirements 4.8.1.1.2.a.4 and 4.8.1.1.2.a.5.

ELECTRICAL POWER SYSTEMS

SHUTDOWN

LIMITING CONDITION FOR OPERATION

3.8.1.2 As a minimum, the following A.C. electrical power sources shall be OPERABLE:

- a. One circuit per Unit between the offsite transmission network and the onsite Class 1E distribution system, and
- b. Two diesel generators, one of which shall be diesel generator 3 or 4, as required to operate ECCS systems in accordance with Specifications 3.5.3.1 and 3.5.3.2:
 1. Each with a separate:
 - a) Engine-mounted fuel tank containing a minimum of 100 gallons of fuel,
 - b) Day fuel tank containing a minimum of 22,650 gallons of fuel, and
 - c) Fuel transfer pump.
 2. With a fuel storage tank containing a minimum of 37,000 gallons of fuel.

APPLICABILITY: OPERATIONAL CONDITIONS 4 and 5.

ACTION:

With less than the above minimum required A.C. electrical power sources OPERABLE, suspend all operations involving irradiated fuel handling, CORE ALTERATIONS, positive reactivity changes, or operations that have the potential of draining the reactor vessel. The provisions of Specification 3.0.3 are not applicable.

SURVEILLANCE REQUIREMENTS

4.8.1.2 The above required A.C. electrical power sources shall be demonstrated OPERABLE per surveillance requirements of Specifications 4.8.1.1.1 and 4.8.1.1.2, except for the requirement of 4.8.1.1.2.a.5.