

MAR 7 1977

Docket Nos.: 50-325 }  
and 50-324 }

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

Gentlemen:

In response to your request dated December 22, 1976, we have issued Amendment No. 2 to Facility Operating License No. DPR-71 for the Brunswick Steam Electric Plant Unit No. 1 and Amendment No. 24 to Facility Operating License No. DPR-62 for Brunswick Steam Electric Plant Unit No. 2. These amendments include changes to the Appendix B Environmental Technical Specifications for Units Nos. 1 and 2.

These amendments involve administrative changes relating to the method of developing environmental monitoring procedures associated with the environmental technical specifications. These amendments authorize changes to indicate that plant procedures relating to environmental protection conditions which could detrimentally affect the environment will have Plant Nuclear Safety Committee (PNSC) review and the Plant Manager's approval prior to implementation.

We have evaluated the potential for environmental impact of plant operation in accordance with the enclosed amendments. The amendments apply to administrative details only. 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 statement, negative declaration or environmental impact appraisal need not be prepared in connection with the issuance of these amendments.

Since the amendments apply only to administrative details relating to the method of developing procedures for environmental monitoring associated with the Environmental Technical Specifications, they do

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not involve significant new safety information of a type not considered by a previous Commission safety review of the facility. They do not involve a significant increase in the probability or consequences of an accident, do not involve a significant decrease in a safety margin and, therefore, do not involve a significant hazards consideration. We have also concluded that there is reasonable assurance that the health and safety of the public will not be endangered by this action.

These amendments and the associated pages to the Appendix B Environmental Technical Specifications are enclosed together with the related Federal Register Notice.

Sincerely,

Original signed by

Albert Schwencer, Chief  
Operating Reactors Branch 1  
Division of Operating Reactors

Enclosures:

1. Amendment No. 2 to DPR-71
2. Amendment No. 24 to DPR-62
3. Federal Register Notice

cc w/encls.: See next page

DISTRIBUTION:

☒ DOCKET FILES (ENVIRON)

"TIC-OR"

NRC-PDR

Local-PDR

EP-1 Reading

DSE Reading

NRR Reading

I&E (7)

HDenton

DMuller

KGoller

DVassallo

ASchwencer/CTrammel

SVarga/RPowell

SSheppard

MService

VMoore

GKnighton/RGeckler

NDube

BScharf (12)

ACRS (16)

Harty, PNL

MSlater

bcc: JRBuchanan, ORNL

TBAbernathy, DTIE

ASLAB

ASLBP

x36950	DSE:EP-1	DSE:EP-1	OELD	DSE:ADEP	DPM:LWR#4	DOR:ORB#1
OFFICE →	MSlater/1k	GKnighton	A. M. Schell	VMoore	see other	7B
SURNAME →	RGeckler	2/3/77	2/2/77	2/1/77	2/1/77	3/7/77
DATE →	2/2/77					

MAR 7 1977

Carolina Power & Light Company

cc w/encl:

Mr. E. E. Utley  
Senior Vice President,  
Power Supply  
Carolina Power & Light Company  
336 Fayetteville Street  
Raleigh, North Carolina

George F. Trowbridge, Esquire  
Shaw, Pittman, Potts & Trowbridge  
1300 M Street, N. W.  
Washington, D. C. 20036

John J. Burney, Jr., Esquire  
Burney, Burney, Sperry & Barefoot  
110 North Fifth Avenue  
Wilmington, North Carolina 28401

Ms. Janet Godwin, President  
Project Environment  
202 Bedford Road East  
Wilmington, North Carolina 28401

Chairman, Board of County  
Commissioners of Brunswick County  
Bolivia, North Carolina 28422

Office of Intergovernmental Relations  
116 West Jones Street  
Raleigh, North Carolina 28403

Cape Fear Council of Governments  
1 North Third  
Suite 206  
Wilmington, North Carolina 28401

EIS Coordinator  
Region IV  
U. S. Environmental Protection Agency  
345 Courtland Street, N. E.  
Atlanta, Georgia 30308

Chief, Energy Systems  
Analyses Branch (AW-459)  
Office of Radiation Programs  
Environmental Protection Agency  
Waterside Mall, Room 645 East Tower  
401 M Street, S. W.

Washington, D. C. 20460

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CAROLINA POWER AND LIGHT COMPANY

DOCKET NO. 50-325

BRUNSWICK STEAM ELECTRIC PLANT - UNIT NO. 1

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 2  
License No. DPR-71

1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment by Carolina Power & Light Company (the licensee) dated December 22, 1976, 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. 2, 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

<sup>5/</sup>  
Albert Schwencer, Chief  
Operating Reactors Branch 1  
Division of Operating Reactors

Attachment:  
Changes to the Technical  
Specifications

Date of Issuance: MAR 7 1977

x30950 OFFICE	DSE:EP-1 MSLatterlik	DSE:EP-1 GKington	OELD A. M. M. M.	ADDP V Moore	DPM: LWR-4 177	DOR: ORB-1 177
SURNAME	R Geckler	1/28/77	3/2/77	2/4/77	177	177
DATE	1/28/77	2/3/77	3/2/77	2/4/77	177	177

ATTACHMENT TO  
AMENDMENT NO. 24 TO FACILITY OPERATING LICENSE NO. DPR-62  
AMENDMENT NO. 2 TO FACILITY OPERATING LICENSE NO. DPR-71  
CHANGES TO TECHNICAL SPECIFICATIONS  
CAROLINA POWER & LIGHT COMPANY  
BRUNSWICK STEAM ELECTRIC PLANT, UNIT NOS. 1 AND 2  
DOCKET NOS. 325 AND 324

Revise Appendix B, Environmental Technical Specifications, as follows:

Remove old pages and insert new pages:

5-2  
5-3  
5-4

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Review by INSC and CNS of changes or modifications to plant systems or equipment which are determined by the Plant Manager to have a significant adverse effect on the environment and the evaluated impact of the change.

- c. Review by PNSC and CNS of written procedures and changes thereto as described in Section 5.3.2 which are determined by the Plant Manager to detrimentally affect the plant's environmental impact.
- d. Investigation by the PNSC of reported instances where an environmental protection limit is exceeded or the occurrence of an unusual environmental event associated with operation of the plant which involves a significant environmental impact. The report and recommendations that result from the PNSC investigation will be reviewed by the CNS.
- e. Corporate quality assurance audit of plant operations and written procedures for implementation of these Technical Specifications by CQAA.

## 5.2 ACTION TO BE TAKEN IN THE EVENT OF AN ENVIRONMENTAL EVENT DURING PLANT OPERATIONS

- 5.2.1 An environmental event shall be reported promptly to the Manager of Nuclear Generation and reviewed by the Plant Nuclear Safety Committee. The Plant Manager shall take action to abate any impact, immediately following his determination of appropriate action permitted by the technical specifications.
- 5.2.2 As specified in Section 5.4.2, a report of each environmental event shall be reviewed by the Plant Nuclear Safety Committee. This report shall include an evaluation of the cause of the event, a record of the corrective action taken, and the recommendations for appropriate action to prevent or reduce the probability of a recurrence.

5.2.3 Copies of all such reports shall be submitted to the Manager of Nuclear Generation and the Manager of Corporate Nuclear Safety for review.

5.2.4 The circumstances of any environmental event shall be reported to the NRC as specified in Section 5.4.2.

### 5.3 OPERATING INSTRUCTIONS

5.3.1 Written procedures shall be prepared and approved as specified in Section 5.3.2 for operation to ensure compliance with the environmental protection conditions and associated surveillance requirements of Sections 2 and 3. Procedures will include sampling, analysis, and actions to be taken when environmental protection conditions are exceeded. Quality assurance procedures will be developed for monitoring, sample collection, and sample analysis. Testing frequency of any alarms will also be included.

5.3.2 Procedures described in Section 5.3.1 above, and changes thereto, determined by the Plant Manager to detrimentally affect the plant's environmental impact, shall be reviewed as specified in Section 5.1 and approved by the Plant Manager prior to implementation. Temporary changes to procedures which do not change the intent of the original procedure may be made, provided such changes are approved by two members of the plant management staff. Such changes shall be documented, and subsequently reviewed by the Plant Nuclear Safety Committee and approved by the Plant Manager prior to implementation as permanent procedure changes.



5.3.3 Procedures described in Section 5.3.1 above, and changes thereto, which are determined by the Plant Manager to not detrimentally affect the plant's environmental impact shall be reviewed and approved by the Plant Manager or other member of the plant management staff designated by the Plant Manager prior to implementation.

5.3.4 Written procedures shall be prepared and approved as specified in Section 5.3.5 for operation and carrying out the Environmental Surveillance Programs described in Section 4 and those surveillance programs described in Section 3 which are not associated with the environmental protection conditions. Procedures will include sampling and analysis. Quality assurance procedures shall be developed which will assure the accuracy of the results obtained.

5.3.5 The Environmental Surveillance Programs may be carried out by the plant organization, another organization within the Company or by a contractor. For those programs carried out by the plant staff, the procedures and changes thereto will be reviewed and approved as described in Section 5.3.3. For those programs carried out off-site, a procedure review and approval program will be established adequate to ensure the accuracy of the program and results.

CAROLINA POWER AND LIGHT COMPANY

DOCKET NO. 50-324

BRUNSWICK STEAM ELECTRIC PLANT - UNIT NO. 2

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. *24*  
License No. DPR-62

1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment by Carolina Power & Light Company (the licensee) dated December 22, 1976, 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:

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(2) Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 24, 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

S/  
Albert Schwencer, Chief  
Operating Reactors Branch 1  
Division of Operating Reactors

Attachment:  
Changes to the Technical  
Specifications

Date of Issuance: MAR 7 1977

x36950	DSE:EP-1	DSE:EP-1	OE LD	ADEP	DPM:LWR-4	DOR:ORB-1
MSIath	GKnighton	12-7-77	12-7-77	VMoore	1 177	1 177
SURNAME	RGeckler	12-7-77	12-7-77	12-7-77	1 177	1 177
DATE	1/28/77	12-7-77	12-7-77	12-7-77	1 177	1 177

DOR:EEB  
BJ  
2/1/77

ATTACHMENT TO

AMENDMENT NO. 24 TO FACILITY OPERATING LICENSE NO. DPR-62

AMENDMENT NO. 2 TO FACILITY OPERATING LICENSE NO. DPR-71

CHANGES TO TECHNICAL SPECIFICATIONS

CAROLINA POWER & LIGHT COMPANY

BRUNSWICK STEAM ELECTRIC PLANT, UNIT NOS. 1 AND 2

DOCKET NOS. 325 AND 324

Revise Appendix B, Environmental Technical Specifications, as follows:

Remove old pages and insert new pages:

5-2

5-3

5-4

MAR 7 1977

- b. Review by PNSC and CNS of changes or modifications to plant systems or equipment which are determined by the Plant Manager to have a significant adverse effect on the environment and the evaluated impact of the change.
- c. Review by PNSC and CNS of written procedures and changes thereto as described in Section 5.3.2 which are determined by the Plant Manager to detrimentally affect the plant's environmental impact.
- d. Investigation by the PNSC of reported instances where an environmental protection limit is exceeded or the occurrence of an unusual environmental event associated with operation of the plant which involves a significant environmental impact. The report and recommendations that result from the PNSC investigation will be reviewed by the CNS.
- e. Corporate quality assurance audit of plant operations and written procedures for implementation of these Technical Specifications by CQAA.

## 5.2 ACTION TO BE TAKEN IN THE EVENT OF AN ENVIRONMENTAL EVENT DURING PLANT OPERATIONS

- 5.2.1 An environmental event shall be reported promptly to the Manager of Nuclear Generation and reviewed by the Plant Nuclear Safety Committee. The Plant Manager shall take action to abate any impact, immediately following his determination of appropriate action permitted by the technical specifications.
- 5.2.2 As specified in Section 5.4.2, a report of each environmental event shall be reviewed by the Plant Nuclear Safety Committee. This report shall include an evaluation of the cause of the event, a record of the corrective action taken, and the recommendations for appropriate action to prevent or reduce the probability of a recurrence.

5.2.3 Copies of all such reports shall be submitted to the Manager of Nuclear Generation and the Manager of Corporate Nuclear Safety for review.

5.2.4 The circumstances of any environmental event shall be reported to the NRC as specified in Section 5.4.2.

### 5.3 OPERATING INSTRUCTIONS

5.3.1 Written procedures shall be prepared and approved as specified in Section 5.3.2 for operation to ensure compliance with the environmental protection conditions and associated surveillance requirements of Sections 2 and 3. Procedures will include sampling, analysis, and actions to be taken when environmental protection conditions are exceeded. Quality assurance procedures will be developed for monitoring, sample collection, and sample analysis. Testing frequency of any alarms will also be included.

5.3.2 Procedures described in Section 5.3.1 above, and changes thereto, determined by the Plant Manager to detrimentally affect the plant's environmental impact, shall be reviewed as specified in Section 5.1 and approved by the Plant Manager prior to implementation. Temporary changes to procedures which do not change the intent of the original procedure may be made, provided such changes are approved by two members of the plant management staff. Such changes shall be documented, and subsequently reviewed by the Plant Nuclear Safety Committee and approved by the Plant Manager prior to implementation as permanent procedure changes.

5.3.3 Procedures described in Section 5.3.1 above, and changes thereto, which are determined by the Plant Manager to not detrimentally affect the plant's environmental impact shall be reviewed and approved by the Plant Manager or other member of the plant management staff designated by the Plant Manager prior to implementation.

5.3.4 Written procedures shall be prepared and approved as specified in Section 5.3.5 for operation and carrying out the Environmental Surveillance Programs described in Section 4 and those surveillance programs described in Section 3 which are not associated with the environmental protection conditions. Procedures will include sampling and analysis. Quality assurance procedures shall be developed which will assure the accuracy of the results obtained.

5.3.5 The Environmental Surveillance Programs may be carried out by the plant organization, another organization within the Company or by a contractor. For those programs carried out by the plant staff, the procedures and changes thereto will be reviewed and approved as described in Section 5.3.3. For those programs carried out off-site, a procedure review and approval program will be established adequate to ensure the accuracy of the program and results.

UNITED STATES NUCLEAR REGULATORY COMMISSION

DOCKET NOS. 50-325 AND 50-324

CAROLINA POWER AND LIGHT COMPANY

NOTICE OF ISSUANCE OF AMENDMENTS TO FACILITY

OPERATING LICENSES

Notice is hereby given that the U. S. Nuclear Regulatory Commission (the Commission) has issued Amendment Nos. *2* and *24* to Facility Operating License Nos. DPR-71 and DPR-62 issued to Carolina Power and Light Company which revised Technical Specifications for operation of the Brunswick Steam Electric Plant, Unit Nos. 1 and 2, located in Brunswick County, North Carolina.. These amendments are effective as of their date of issuance.

These amendments involve administrative changes relating to the method of developing environmental monitoring procedures associated with the environmental technical specifications.

The application for the 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 is 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 §51.5(d)(4) an environmental statement, negative declaration or

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environmental impact appraisal need not be prepared in connection with issuance of these amendments.

For further details with respect to this action, see (1) the application for amendment dated December 22, 1976, (2) Amendment No. 2 to License No. DPR-71, and (3) Amendment No. 24 to DPR-62. All three 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 W. 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 Site Safety and Environmental Analysis.

Dated at Bethesda, Maryland, this 7<sup>th</sup> day of March 1977.

FOR THE NUCLEAR REGULATORY COMMISSION

S/  
Albert Schwencer, Chief  
Operating Reactors Branch 1  
Division of Operating Reactors

836950	DSE:EP-1	DSE:EP-1	OELD	DSE:EP-1	DOR:ORB-1	DOR:ORB-1
SURNAME	MSlater/lk	RGeckler	A. M. M. M.	G. M. M. M.	FB	B
DATE	1/27/77	2/3/77	3/2/77	4/3/77	5/1/77	2/1/77