

MAR 18 1976

Docket No. 50-324

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

Gentlemen:

The Commission has issued the enclosed Amendment No. 12 to Facility License No. DPR-62 for the Brunswick Steam Electric Plant Unit 2. The amendment consists of changes to the Technical Specifications and is in response to your request dated February 11, 1976.

This amendment revises the provisions in the Appendix B Technical Specifications relating to the off-site review and audit function to make this activity consistent with that provided for in the Appendix A Technical Specifications. The review and audit structure for Appendix A Technical Specifications was previously reviewed and approved by us when we issued Amendment No. 9 to Facility License No. DPR-62 on January 6, 1976.

In our Safety Evaluation related to Amendment No. 9, we found that the review and audit change, which transferred the functions of the Company Nuclear Safety Committee to the Corporate Nuclear Safety and Corporate Quality Assurance Sections, was acceptable with respect to activities governed by Appendix A Technical Specifications.

We find that this review and audit structure is equally acceptable with respect to activities governed by Appendix B Technical Specifications.

This amendment also includes various changes to reflect the present organizational structure and titles within NRC.

We have evaluated the potential for environmental impact of plant operation in accordance with the enclosed amendment. The amendment applies to administrative details. We have determined that the 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 the 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 statement, negative

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declaration or environmental impact appraisal need not be prepared in connection with the issuance of this amendment.

Since the amendment applies only to administrative details, it does not involve significant new safety information of a type not considered by a previous Commission safety review of the facility. It does not involve a significant increase in the probability or consequences of an accident, does not involve a significant decrease in a safety margin, and therefore does 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.

A copy of the related Federal Register Notice is also enclosed.

Sincerely,

Original signed by

Robert A. Purple, Chief
Operating Reactors Branch #1
Division of Operating Reactors

Enclosures:

1. Amendment No. 12 to DPR-62
2. Federal Register Notice

cc w/enclosures:

See next page

bcc: T. B. Abernathy
J. R. Buchanan

distribution

Docket File DEisenhut
 NRC PDR BJones (4)
 Local PDR BScharf (10)
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 ACRS (16)
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3/8	OFFICE →	ORB#1 Reading	OELD	ORB#1 Reading		
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	DATE →	3/10/76	3/11/76	3/18/76		

March 18, 1976

cc: Richard E. Jones, Esquire
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UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

CAROLINA POWER AND LIGHT COMPANY

DOCKET NO. 50-324

BRUNSWICK STEAM ELECTRIC PLANT, UNIT NO. 2

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 12
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 February 11, 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. An environmental statement or negative declaration need not be prepared in connection with the issuance of this amendment.
2. Accordingly, the license is amended by a change to the Technical Specifications as indicated in the attachment to this license amendment.



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

FOR THE NUCLEAR REGULATORY COMMISSION

Original signed by

Robert A. Purple, Chief
Operating Reactors Branch #1
Division of Operating Reactors

Attachment:
Changes to the
Technical Specifications

Date of Issuance: MAR 18 1976

ATTACHMENT TO LICENSE AMENDMENT NO. 12

FACILITY OPERATING LICENSE NO. DPR-62

DOCKET NO. 50-324

Revise Appendix B as follows:

Remove pp. 5-1 through 5-7 and replace with revised pages numbered 5-1 through 5-8.

ATTACHMENT TO LICENSE AMENDMENT NO. 12

FACILITY OPERATING LICENSE NO. DPR-62

DOCKET NO. 50-324

Revise Appendix B as follows:

Remove pp. 5-1 through 5-7 and replace with revised pages numbered 5-1 through 5-8.

ADMINISTRATIVE CONTROLSObjective

This section describes the administrative controls and procedures necessary to implement the Environmental Technical Specifications.

ORGANIZATION AND REVIEW

The Plant Manager is directly responsible for the safe operation of the facility as shown in Figure 5.1-1. In all matters pertaining to the operation of the plant and to the Environmental Technical Specifications, the Plant Manager is directly responsible to the Manager of Nuclear Generation. The Environmental and Radiation Control Supervisor is directly responsible to the Plant Manager for all Environmental Technical Specifications applicable to the plant, radiological and otherwise. The Radiation Control Unit of the Nuclear Generation Section reports to the Manager of Nuclear Generation Services and functions in a staff capacity to assist in the proper implementation of the Environmental Technical Specifications.

Review of plant operations and the technical specifications shall be accomplished by the Plant Nuclear Safety Committee (PNSC) and the Corporate Nuclear Safety (CNS) Section as organizationally described in Section 6.5 of Appendix A to the facility operating license. Independent off-site QA audits of plant operations shall be performed by the Corporate Quality Assurance Audit (CQAA) Section as described in Appendix A to the facility operating license.

Review and audit functions are defined as follows:

- a. Review by PNSC and CNS of proposed changes to the Environmental Technical Specifications and the evaluated impact of the change.

- 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 of written procedures, as described in Section 5.3 and review by PNSC and CNS of changes thereto 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 OPERATION

- 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 PROCEDURES

5.3.1 Written procedures shall be prepared and approved as specified in Section 5.3.2 for operation and carrying out the environmental monitoring program. Procedures will include sampling, analysis, and actions to be taken when limits are exceeded. Quality assurance procedures will be developed for monitoring procedures, sample collection and analysis and packaging of samples prior to analyses. Testing frequency of any alarms will also be included.

5.3.2 Procedures described in Section 5.3.1 above, and changes thereto, 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.

5.4 PLANT REPORTING REQUIREMENTS

5.4.1 Routine Reports

5.4.1.1 A semiannual report covering the previous six months' operation shall be submitted within 60 days after January 1 and July 1 of each year. The first such

period shall begin with the semiannual period following that in which the Environmental Technical Specifications are issued. These reports shall include the following:

- a. A summary of the quantities of radioactive effluents released from the plant and potential doses, as outlined in NRC Regulatory Guide 1.21.
- b. Summary of meteorological data as outlined in NRC Regulatory Guide 1.21.
- c. Records of changes as described in Section 5.4.2.c(1) and (2).
- d. Records of maintenance dredging performed in the canals including: dates, locations, types of dredging, disposition of spoil material (location and, if available, an estimate of the amount of spoil material).
- e. The results of any thermal monitoring in the ocean outfall area that is required by the State of North Carolina during the period covered by the report.
- f. Records of total amounts of chemicals in specifications 2.2.1 and 2.2.2 used during the report period and discussion of any unusual reasons associated with the usage.

5.4.1.2 A separate annual environmental radiological report covering the previous 12 months of operation shall be submitted within 90 days after January 1 of each year. The first such report shall be submitted for the 12-month calendar period during which initial criticality is achieved. Data not available for inclusion in the report will be submitted as soon as

possible in a supplementary report. The report shall include the following:

- a. Summary records of monitoring requirements surveys and samples.
- b. Analysis of environmental data.

5.4.2 Non-Routine Reports

a. Nonradiological Reports

A written report shall be made to the Director of the appropriate regional office (copy to the Director of Nuclear Reactor Regulation), within 14 days of an environmental event.

The written report shall (a) describe, analyze, and evaluate the event, including extent and magnitude of the impact; (b) describe the cause of the event, and (c) indicate the corrective action (including any significant changes made in procedures) taken to preclude repetition of the event and to prevent similar events involving similar components or systems.

b. Radiological Reports

Violations of an Environmental Technical Specification, including unplanned release of radioactive materials of significant quantities from the site shall be reported in the same manner as described in Section 5.4.2.a. (Non-radiological Reports). The environmental protection conditions for radiological discharges are described in Section 2.5. The radiological environmental monitoring is described in Section 4.2.

Analyses of environmental samples which exceed the larger of either the control station value (Table 4.2-5) or the minimum detection limit by a factor of 10 or more for that same sample type and time period will be identified and a written report shall be submitted to Director of the appropriate regional office (copy to the Director of Nuclear Reactor Regulation) within 30 days, after confirmation.* The test for exceeding the guide value will be a T test at 99.5% confidence. The test will be considered positive when:

$$X_i - (X_c \cdot 10) > T_{99.5\%} \sqrt{\sigma_i^2 + \sigma_c^2} \quad (100)$$

where:

$T_{99.5\%}$ = 1 tail T test (2.2414)

X_i = value obtained at station i

X_c = either value obtained at control station or minimum detection limit (mdl), whichever is larger.

σ_i = standard deviation of station i value

σ_c = standard deviation of control station

*A confirmatory reanalysis of the original, a duplicate or a new sample may be desirable, as appropriate. The results of the confirmatory analysis shall be completed at the earliest time consistent with the analysis, but in any case within 30 days. If the high value is real, the report to the NRC shall be submitted.

If milk samples collected over a calendar quarter show average I-131 concentrations of 4.8 picocuries per liter or greater, a written report shall be submitted to the Director of the appropriate regional office (copy to the Director of Nuclear Reactor Regulation) within 30 days, and should include an evaluation of any release conditions, environmental factors, or other aspects necessary to explain the anomalous results.

c. Miscellaneous Reports

(1) When a change to the plant design, to the plant operation, or to the procedures described in Section 5.3 is planned which would have a significant adverse effect on the environment as determined by the Plant Manager or which involves a significant environmental matter or question not previously reviewed and evaluated by the NRC, a report on the change shall be submitted to the NRC for information prior to implementation. The report shall include description and evaluation of the impact of the change.

(2) Request for changes in Environmental Technical Specifications shall be submitted to the Director of Nuclear Reactor Regulation, NRC, for prior review and authorization. The request shall include an evaluation of the impact of the change.

5.5 RECORDS RETENTION

5.5.1 Records and logs relative to the following areas shall be retained for the life of the plant:

- a. Records and drawing changes reflecting plant design modifications made to systems and equipment as described in Section 5.4.2.c(1).
- b. Records of required environmental surveillance data.
- c. Records to demonstrate compliance with the environmental protection limits in Section 5.2.

5.5.2 All other records and logs relating to the Environmental Technical Specifications shall be retained for five years.

UNITED STATES NUCLEAR REGULATORY COMMISSION

DOCKET NO. 50-324

CAROLINA POWER AND LIGHT COMPANY

NOTICE OF ISSUANCE OF AMENDMENT TO FACILITY
OPERATING LICENSE

Notice is hereby given that the U.S. Nuclear Regulatory Commission (the Commission) has issued Amendment No. 12 to Facility Operating License No. DPR-62 issued to the Carolina Power and Light Company (the licensee), which revised Technical Specifications for operation of the Brunswick Steam Electric Plant, Unit 2 (the facility), located in Brunswick County, North Carolina. The amendment is effective as of the date of issuance.

The amendment (1) revises the provisions in the Appendix B (Environmental) Technical Specifications relating to the off-site review and audit function and (2) makes various changes to reflect the present organizational structure within the Commission.

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 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 is 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 statement, negative declaration or 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 application for amendment dated February 11, 1976, (2) Amendment No. 12 to License No. DPR-62, (3) the Commission's related letter to Carolina Power & Light Company dated MAR 18 1976, and (4) Amendment No. 9 to License No. DPR-62 and related Safety Evaluation which are referenced in the letter. All of these items are available for public inspection at the Commission's Public Document Room, 1717 H Street, NW., Washington, D.C., and at the Southport-Brunswick County Library, 109 W. Moore Street, Southport, North Carolina 28461.

A single copy of items (2), (3), and (4) 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 MAR 18 1976

FOR THE NUCLEAR REGULATORY COMMISSION

Original signed by

Charles M. Trammell, Acting Chief
Operating Reactors Branch #1
Division of Operating Reactors