

Docket Nos. 50-325  
324

March 11, 1983

Mr. E. F. Utley  
Executive Vice President  
Carolina Power & Light Company  
P. O. Box 1551  
Raleigh, North Carolina 27602

Dear Mr. Utley:

The Commission has issued the enclosed Amendment Nos. 54 and 79 to Facility Operating License Nos. DPR-71 and DPR-62 for Brunswick Steam Electric Plant, Units 1 and 2. The amendments consist of changes to the Licenses and Technical Specifications in response to your applications dated April 21, 1981 and February 19, 1982, and subsequent discussions between the NRC staff and your staff. These changes have been discussed with and agreed to by members of your staff.

The amendments delete the license conditions and the Appendix B Environmental Technical Specifications (ETS) which pertain to non-radiological water quality-related requirements, as required by the Federal Water Pollution Control Act Amendments of 1972.

Your basis for the requested deletion of water quality limits and monitoring programs is that these aquatic requirements are now under the jurisdiction of the U.S. Environmental Protection Agency (EPA) as established by the Federal Water Pollution Control Act Amendments of 1972. Therefore, water quality conditions in existing reactor operating licenses should be removed as a matter of law where the licensee holds, as you do, an effective National Pollutant Discharge Elimination System (NPDES) permit.

We concur in the deletion of the aquatic requirements and will rely on the NPDES permit system which is administered by EPA for regulation and protection of the aquatic environment. However, the NRC staff still wishes to remain informed about any changes in your NPDES permit and any violations of this permit. Accordingly, as discussed with your staff, you have agreed to provide NRC with a copy of any changes to the NPDES discharge permit and any permit violations requiring notification to the permitting agency at the time this information is reported to or received from the permitting agency. This information is to be submitted to the appropriate Regional Administrator with a copy to the Director, Office of Nuclear Reactor Regulation.

Please confirm this commitment in writing within 30 days of receipt of this letter.

We have determined that the deletion of these water quality requirements is a ministerial action required as a matter of law 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 or negative declaration and environmental impact appraisal need not be prepared in connection with the issuance of the amendments.

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SURNAME	PDR ADDOCK 05000324				
DATE	PDR				

OFFICIAL RECORD COPY

Since the amendments apply only to deletion of water quality requirements, we have concluded 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.

A copy of the Notice of Issuance is also enclosed.

Sincerely,  
**Original signed by**  
**D. B. Vassallo**

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

Enclosures:

- 1. Amendment No. 54 to DPR-71
- 2. Amendment No. 79 to DPR-62
- 3. Notice of Issuance

cc w/Enclosures  
See next page

DIST:	Docket File	NRC PDR	LPDR	ORB#2 Rdg	DEisenhut	SNorris
KEccleston	OELD	SECY	LJHarmon-2	TBarnhart-12	LSchneider	DBrinkman
XTRA-5	ACRS-10	OPA-CMiles	RDiggs	NSIC	Gray	ASLAB
RClark	BSiegel					

OFFICE	DL:ORB#2	DL:ORB#2	DL:ORB#2	DL:ORB#2	DL:AD:W&OE	DL:AD:OR	OELD
SURNAME	SNorris	KEccleston: job	<del>MACKEY</del>	DVassallo	WJohnston	GLarnas	
DATE	2/28/83	2/28/83	3/1/83	3/2/83	3/2/83	3/2/83	3/1/83
	3/8/83		5/11/83				

Mr. E. E. Utley  
Carolina Power & Light Company

cc:

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Carolina Power & Light Company  
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U. S. Environmental Protection Agency  
Region IV Office  
Regional Radiation Representative  
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Southport, North Carolina 28461

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U.S. Nuclear Regulatory Commission  
101 Marietta Street, Suite 3100  
Atlanta, Georgia 30303



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

CAROLINA POWER & LIGHT COMPANY

DOCKET NO. 50-325

BRUNSWICK STEAM ELECTRIC PLANT, UNIT 1

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 54  
License No. DPR-71

1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The applications for amendment by Carolina Power & Light Company (the licensee) dated April 21, 1981 and February 19, 1982 comply 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 deleting paragraphs 2.E.a and 2.E.b and by changes to the Technical Specifications as indicated in the attachment to this license amendment. Paragraph 2.C.(2) of Facility Operating License No. DPR-71 is hereby amended to read as follows:

2. Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 54, 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



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

Attachment:  
Changes to the  
Technical Specifications

Date of Issuance: March 11, 1983

ATTACHMENT TO LICENSE AMENDMENT NO. 54

FACILITY OPERATING LICENSE NO. DPR-71

DOCKET NO. 50-325

Replace the following pages of the Appendix B Technical Specifications with the enclosed pages as indicated. The revised pages are identified by Amendment number and contain vertical lines indicating the area of change.

<u>Remove</u>	<u>Insert</u>
i	i
iii	iii
2-1	2-1
2-2	-
2-3	-
2-4	-
2-5	-
2-6	2-6
2-15	2-15
2-15a	-
2-16	2-16
4-1	4-1
4-2	-
4-3	-
4-4	-
4-5	-
4-5a	-
5-4	5-4
5-5	5-5
5-5a	-
5-5b	-
5-6	5-6
5-7	5-7
6-1	6-1
6-2	-
6-3	-
6-4	-
6-5	-
6-6	-
6-7	-

Figure 3.3-1

BRUNSWICK STEAM ELECTRIC PLANT, UNITS 1 & 2  
ENVIRONMENTAL TECHNICAL SPECIFICATIONS

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6.0 Special Surveillance and Study Activities-Deleted	6-1
6.1 Marsh Productivity-Deleted	
6.2 Deleted	
6.3 Deleted	
6.4 Salt Deposition Monitoring-Deleted	
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FIGURE NO.

TITLE

4.2-1A	Location of Radiological Environmental Monitoring Stations
4.2-1B	Location of Radiological Environmental Monitoring Stations
5.1-1	Management Organization Chart

## 2.0 ENVIRONMENTAL PROTECTION CONDITIONS

## 3.0 SURVEILLANCE REQUIREMENTS

General: During a national power emergency, regional emergency, reactor emergency, when the health, safety, or welfare of the public may be endangered by the inability of Carolina Power & Light Company to supply electricity, the protection limits provided in these environmental technical specifications shall be inapplicable. During such emergencies, however, the protection limits shall not be exceeded except as is necessitated by the emergency.

Certain Environmental Protection Conditions and Surveillance Requirements are specified in the effective National Pollutant Discharge Elimination System (NPDES) permit issued by the State of North Carolina, Department of Natural Resources and Community Development, Division of Environmental Management. This agency is responsible for regulation of matters involving thermal discharges, chlorine, normalizer tank pH, and piezometric head.

2.1 THERMAL

Deleted

2.1.1 Maximum Temperature Rise

Deleted

2.1.2 Rate of Change of Discharge Temperature

Deleted

2.1.3 Heat Treatment of Circulating Water System

Deleted

2.2 CHEMICAL

Deleted

2.2.1 Chlorine

Deleted

2.2.2 Other Chemicals

Deleted

2.2.3 Hydrogen Ion

Deleted

3.1 THERMAL

Deleted

3.1.1 Maximum Temperature Rise

Deleted

3.1.2 Rate of Change of Discharge Temperature

Deleted

3.1.3 Heat Treatment of Circulating Water System

Deleted

3.2 CHEMICAL

Deleted

3.2.1 Chlorine

Deleted

3.2.2 Other Chemicals

Deleted

3.2.3 Hydrogen Ion

Deleted

Amendment No. 54

NOTE: Pages 2-2 through 2-5 have been deleted.

2.0 ENVIRONMENTAL PROTECTION CONDITIONS

3.0 SURVEILLANCE REQUIREMENTS

2.3 HYDRAULIC

3.3 HYDRAULIC

2.3.1 Water Level in the Discharge Canal

3.3.1 Water Level in the Discharge Canal

Objective: To minimize impact of the discharge canal on the local groundwater supply.

Specification: Water level in the discharge canal near the plant shall be monitored daily.

Specification: Water level in the discharge canal shall normally be maintained between +3.5 feet msl and +5.5 feet msl at the discharge weir. These limits may be exceeded as required either for plant maintenance or as a result of natural conditions such as heavy rainfall which is beyond the control of plant personnel.

2.3.2 Piezometric Head

3.3.2 Piezometric Head

Deleted

Deleted

BASES:

2-15

NOTE: Page 2-15a has been deleted.  
Amendment No. 54

Specifications 2.3.1 and 3.3.1 maintain the discharge canal water level within a range that will minimize the potential for upwelling and downwelling effects on the aquifer.

Specification 2.4 provides the meteorological parameters which are measured at the plant will provide the information necessary to estimate potential radiation doses to the public from routine or accidental releases of radioactive materials to the atmosphere and meet the requirements of subparagraph 50.36a (a) (2) of 10CFR Part 50 and Appendices D and F to 10CFR 50.

#### RADIOACTIVE DISCHARGES

LIQUID WASTE EFFLUENTS - The release of radioactive material in liquid effluents to unrestricted areas shall not exceed the concentration limits specified in 10 CFR Part 20 and should be as low as practicable in accordance with the requirements of 10 CFR Part 50.36a. These specifications provide reasonable assurance that the resulting annual dose to the total body or any organ of an individual in an unrestricted area will not exceed 5 mrem. At the same time, these specifications permit the flexibility of operation, compatible with considerations of health and safety, to assure that the public is provided a dependable source of power under unusual operating conditions which may temporarily result in releases higher than the design objective levels but still within the concentration limits specified in 10 CFR Part 20. It is expected that by using this operational flexibility under unusual operating conditions, and exerting every effort to keep levels of radioactive material in liquid wastes as low as practicable, the annual releases will not exceed a small fraction of the concentration limits specified in 10 CFR Part 20.

The design objectives have been developed based on operating experience, taking into account a combination of variables including defective fuel, primary system leakage, and the performance of the various waste treatment systems, and are consistent with Appendix I to 10 CFR Part 50.

#### 4.0 Environmental Monitoring

##### 4.1 Nonradiological Monitoring

The nonradiological biological monitoring requirements are specified in the effective National Pollutant Discharge Elimination System (NPDES) permit issued by the State of North Carolina, Department of Natural Resources and Community Development, Division of Environmental Management. This agency is responsible for regulation of matters involving water quality and aquatic biota.

NOTE: Pages 4-2 through 4-5a have been deleted.

c. records of changes as described Section 5.4.2.c(1) and (2).

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: Radiological Reports

Violations of an Environmental Technical Specification, including unplanned release of radioactive materials of significant quantities from the site shall be reported 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. The environmental protection conditions for radiological discharges are described in Section 2.5.

The radiological environment 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 if determined to be attributable to the operation of the Brunswick Plant, 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:

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

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.

$\sigma_i$  = standard deviation of station i value

$\sigma_c$  = 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 and the increase is determined to be attributable to the operation of the Brunswick Plant, 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 radiological effect on the environment as determined by the Plant Manager or which involves a significant radiological 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.

6.0 (Deleted)

6.1 (Deleted)

6.2 (Deleted)

6.3 (Deleted)

6.4 (Deleted)



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

CAROLINA POWER & LIGHT COMPANY

DOCKET NO. 50-324

BRUNSWICK STEAM ELECTRIC PLANT, UNIT 2

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 79  
License No. DPR-62

1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The applications for amendment by Carolina Power & Light Company (the licensee) dated April 21, 1981 and February 19, 1982 comply 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 deleting paragraphs 2.D.a, b, and c and by changes to the Technical Specifications as indicated in the attachment to this license amendment. 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. 79, 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



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

Attachment:  
Changes to the  
Technical Specifications

Date of Issuance: March 11, 1983

ATTACHMENT TO LICENSE AMENDMENT NO. 79

FACILITY OPERATING LICENSE NO. DPR-62

DOCKET NO. 50-324

Replace the following pages of the Appendix B Technical Specifications with the enclosed pages as indicated. The revised pages are identified by Amendment number and contain vertical lines indicating the area of change.

<u>Remove</u>	<u>Insert</u>
i	i
iii	iii
2-1	2-1
2-2	-
2-3	-
2-4	-
2-5	-
2-6	2-6
2-15	2-15
2-15a	-
2-16	2-16
4-1	4-1
4-2	-
4-3	-
4-4	-
4-5	-
4-5a	-
5-4	5-4
5-5	5-5
5-5a	-
5-5b	-
5-6	5-6
5-7	5-7
6-1	6-1
6-2	-
6-3	-
6-4	-
6-5	-
6-6	-
6-7	-
	-

Figure 3.3-1

BRUNSWICK STEAM ELECTRIC PLANT, UNITS 1 & 2

ENVIRONMENTAL TECHNICAL SPECIFICATIONS

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2.5 Radioactive Discharges	2-8 to 2-14a
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4.0 Environmental Surveillance	4-1
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4.2 Radiological Environmental Monitoring Program	
5.0 Administrative Controls	5-1 to 5-8
6.0 Special Surveillance and Study Activities-Deleted	6-1
6.1 Marsh Productivity-Deleted	
6.2 Deleted	
6.3 Deleted	
6.4 Salt Deposition Monitoring-Deleted	
Figures	

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FIGURE NO.

TITLE

4.2-1A	Location of Radiological Environmental Monitoring Stations
4.2-1B	Location of Radiological Environmental Monitoring Stations
5.1-1	Management Organization Chart

## 2.0 ENVIRONMENTAL PROTECTION CONDITIONS

## 3.0 SURVEILLANCE REQUIREMENTS

General: During a national power emergency, regional emergency, reactor emergency, when the health, safety, or welfare of the public may be endangered by the inability of Carolina Power & Light Company to supply electricity, the protection limits provided in these environmental technical specifications shall be inapplicable. During such emergencies, however, the protection limits shall not be exceeded except as is necessitated by the emergency.

Certain Environmental Protection Conditions and Surveillance Requirements are specified in the effective National Pollutant Discharge Elimination System (NPDES) permit issued by the State of North Carolina, Department of Natural Resources and Community Development, Division of Environmental Management. This agency is responsible for regulation of matters involving thermal discharges, chlorine, normalizer tank pH, and piezometric head.

2.1 THERMAL

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2.1.1 Maximum Temperature Rise

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2.1.2 Rate of Change of Discharge Temperature

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2.1.3 Heat Treatment of Circulating Water System

Deleted

2.2 CHEMICAL

Deleted

2.2.1 Chlorine

Deleted

2.2.2 Other Chemicals

Deleted

2.2.3 Hydrogen Ion

Deleted

3.1 THERMAL

Deleted

3.1.1 Maximum Temperature Rise

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3.1.2 Rate of Change of Discharge Temperature

Deleted

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3.2.2 Other Chemicals

Deleted

3.2.3 Hydrogen Ion

Deleted

NOTE: Pages 2-2 through 2-5 have been deleted.  
Amendment No. 79

2.0 ENVIRONMENTAL PROTECTION CONDITIONS

3.0 SURVEILLANCE REQUIREMENTS

2.3 HYDRAULIC

3.3 HYDRAULIC

2.3.1 Water Level in the Discharge Canal

3.3.1 Water Level in the Discharge Canal

Objective: To minimize impact of the discharge canal on the local groundwater supply.

Specification: Water level in the discharge canal near the plant shall be monitored daily.

Specification: Water level in the discharge canal shall normally be maintained between +3.5 feet msl and +5.5 feet msl at the discharge weir. These limits may be exceeded as required either for plant maintenance or as a result of natural conditions such as heavy rainfall which is beyond the control of plant personnel.

2.3.2 Piezometric Head

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Deleted

Deleted

BASES:

2-15

NOTE: Page 2-15a has been deleted.

Amendment No. 79

Specifications 2.3.1 and 3.3.1 maintain the discharge canal water level within a range that will minimize the potential for upwelling and downwelling effects on the aquifer.

Specification 2.4 provides the meteorological parameters which are measured at the plant will provide the information necessary to estimate potential radiation doses to the public from routine or accidental releases of radioactive materials to the atmosphere and meet the requirements of subparagraph 50.36a (a) (2) of 10CFR Part 50 and Appendices D and F to 10CFR 50.

#### RADIOACTIVE DISCHARGES

LIQUID WASTE EFFLUENTS - The release of radioactive material in liquid effluents to unrestricted areas shall not exceed the concentration limits specified in 10 CFR Part 20 and should be as low as practicable in accordance with the requirements of 10 CFR Part 50.36a. These specifications provide reasonable assurance that the resulting annual dose to the total body or any organ of an individual in an unrestricted area will not exceed 5 mrem. At the same time, these specifications permit the flexibility of operation, compatible with considerations of health and safety, to assure that the public is provided a dependable source of power under unusual operating conditions which may temporarily result in releases higher than the design objective levels but still within the concentration limits specified in 10 CFR Part 20. It is expected that by using this operational flexibility under unusual operating conditions, and exerting every effort to keep levels of radioactive material in liquid wastes as low as practicable, the annual releases will not exceed a small fraction of the concentration limits specified in 10 CFR Part 20.

The design objectives have been developed based on operating experience, taking into account a combination of variables including defective fuel, primary system leakage, and the performance of the various waste treatment systems, and are consistent with Appendix I to 10 CFR Part 50.

4.0 Environmental Monitoring

4.1 Nonradiological Monitoring

The nonradiological biological monitoring requirements are specified in the effective National Pollutant Discharge Elimination System (NPDES) permit issued by the State of North Carolina, Department of Natural Resources and Community Development, Division of Environmental Management. This agency is responsible for regulation of matters involving water quality and aquatic biota.

NOTE: Pages 4-2 through 4-5a have been deleted.

c. Records of changes as describe in Section 5.4.2.c(1) and (2).

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. Radiological Reports

Violations of an Environmental Technical Specification, including unplanned release of radioactive materials of significant quantities from the site shall be reported 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. 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 if determined to be attributable to the operation of the Brunswick Plant, 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:

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

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.

$\sigma_i$  = standard deviation of station i value

$\sigma_c$  = 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 and the increase is determined to be attributable to the operation of the Brunswick Plant, 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 radiological effect on the environment as determined by the Plant Manager or which involves a significant radiological 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.

6.0 (Deleted)

6.1 (Deleted)

6.2 (Deleted)

6.3 (Deleted)

6.4 (Deleted)

UNITED STATES NUCLEAR REGULATORY COMMISSION  
DOCKET NOS 50-325 AND 324  
CAROLINA POWER AND LIGHT COMPANY  
NOTICE OF ISSUANCE OF AMENDMENT TO FACILITY  
OPERATING LICENSES

The U.S. Nuclear Regulatory Commission (the Commission) has issued Amendment Nos. 54 and 79 to Facility Operating License Nos. DPR-71 and DPR-62, issued to Carolina Power and Light Company (the licensee), which revised the licenses and Technical Specifications for operation of the Brunswick Steam Electric Plant, Units 1 and 2. The amendments are effective as of the date of issuance.

The amendments delete the license conditions and the Appendix B Environmental Technical Specifications (ETS) which pertain to non-radiological water quality-related requirements, as required by the Federal Water Pollution Control Act Amendments of 1972.

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 the amendments was not required since the amendments do not involve a significant hazards consideration.

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The Commission has determined that the issuance of the amendments is a ministerial action required as a matter of law and will not result in any significant environmental impact and 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 the amendments.

For further details with respect to this action, see (1) the applications for amendments dated April 21, 1981 and February 19, 1982, (2) Amendment Nos. 54 and 79 to Facility Operating License Nos. DPR-71 and DPR-62 and (3) the Commission's letter to the licensee dated March 11, 1983. 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 Southport Brunswick County Library, 109 W. Moore Street, Southport, North Carolina. A single 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 11th day of March 1983.

FOR THE NUCLEAR REGULATORY COMMISSION



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