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SEPTEMBER 13 1978

Docket No. 50-325

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. 15 to Facility License No. DPR-71 for Brunswick Steam Electric Plant, Unit No. 1. This amendment consists of a change to the Technical Specifications in response to your request dated September 12, 1978.

This amendment revises TABLE 4.7.5-1 HYDRAULIC SNUBBER INSPECTION SCHEDULE to provide a one time extension for the inaccessible snubber inspection interval of ten days to September 24, 1978.

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

Sincerely,

Original signed by

Thomas A. Ippolito, Chief
 Operating Reactors Branch #3
 Division of Operating Reactors

Enclosures:

1. Amendment No. 15 to DPR-71
2. Safety Evaluation
3. Notice

cc w/enclosures:
 See next page

Const. 1
GD

OFFICE >	ORB #3 <i>SSheppard</i>	ORB #3 <i>JHannon</i>	OELD <i>SH Lewis</i>	ORB #3 <i>Tippolito</i>		
SURNAME >	SSheppard	JHannon:mj	SH Lewis	Tippolito		
DATE >	9/13/78	9/13/78	9/13/78	9/13/78		



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

September 13, 1978

Docket No. 50-325

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

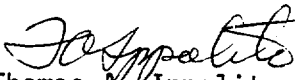
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Thomas A. Ippolito, Chief
Operating Reactors Branch #3
Division of Operating Reactors

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3. Notice

cc w/enclosures:
See next page

Carolina Power & Light Company - 2 -

cc: Richard E. Jones, Esquire
Carolina Power & Light Company
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Raleigh, North Carolina 27602

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Mr. Steve J. Varnam
Chairman, Board of County
Commissioners of Brunswick County
Southport, North Carolina 28461

Denny McGuire (Ms)
State Clearinghouse
Division of Policy Development
116 West Jones Street
Raleigh, North Carolina 27603

Southport - Brunswick County Library
109 W. Moore Street
Southport, North Carolina 28461

Chief, Energy Systems
Analyses Branch (AW-459)
Office of Radiation Programs
U. S. Environmental Protection Agency
Room 645, East Tower
401 M Street, SW
Washington, D. C. 20460

U.S. Environmental Protection Agency
Region IV Office
ATTN: EIS COORDINATOR
345 Courtland Street, NW
Atlanta, Georgia 30308



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

CAROLINA POWER & LIGHT COMPANY

DOCKET NO. 50-325

BRUNSWICK STEAM ELECTRIC PLANT, UNIT NO. 1

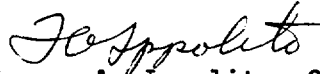
AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 15
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 September 12, 1978, 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:
 - (2) The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 15, 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



Thomas A. Ippolito, Chief
Operating Reactors Branch #3
Division of Operating Reactors

Attachment:
Changes to the Technical
Specifications

Date of Issuance: September 13, 1978

ATTACHMENT TO LICENSE AMENDMENT NO. 15

FACILITY OPERATING LICENSE NO. DPR-22

DOCKET NO. 50-263

Replace the following pages of the Technical Specifications contained in Appendix A of the above-indicated license with the attached pages. The changed area of the revised page is reflected by a marginal line.

Remove

3/4 7-31
3/4 7-32

Insert

3/4 7-31
3/4 7-32

TABLE 4.7.5-1

HYDRAULIC SNUBBER INSPECTION SCHEDULE

NUMBER OF SNUBBERS FOUND INOPERABLE
DURING INSPECTION OR DURING INSPECTION INTERVAL*

NEXT REQUIRED
INSPECTION INTERVAL**

0	18 months + 25%
1	12 months + 25%***
2	6 months + 25%
3 or 4	124 days + 25%
5, 6, or 7	62 days + 25%
>8	31 days + 25%

* Snubbers may be categorized into two groups, "accessible" and "inaccessible". This categorization shall be based upon the snubber's accessibility for inspection during reactor operation. These two groups may be inspected independently according to the above schedule.

** The required inspection interval shall not be lengthened more than one step at a time.

*** For the inaccessible snubber inspection interval scheduled to end September 14, 1978, a one-time only exemption is allowed to extend this inspection interval through September 24, 1978.

BRUNSWICK - UNIT 1

3/4 7-31

PLANT SYSTEMS

3/4.7.6 SEALED SOURCE CONTAMINATION

LIMITING CONDITION FOR OPERATION

3.7.6 Each sealed source containing radioactive material in excess of 100 microcuries of beta and/or gamma emitting material or 5 microcuries of alpha emitting material shall be free of ≥ 0.005 microcuries of removable contamination.

APPLICABILITY: At all times.

ACTION:

Each sealed source with removable contamination in excess of the above limit shall be immediately withdrawn from use and:

- a. Either decontaminated and repaired, or
- b. Disposed of in accordance with Commission Regulations.

The Provisions of Specifications 3.0.3 and 3.0.4 are not applicable.

SURVEILLANCE REQUIREMENTS

4.7.6.1 Test Requirements - Each sealed source shall be tested for leakage and/or contamination by:

- a. The licensee, or
- b. Other persons specifically authorized by the Commission or an Agreement State.

The test method shall have a detection sensitivity of at least 0.005 microcuries per test sample.

4.7.6.2 Test Frequencies - Each category of sealed sources (excluding startup sources and fission detectors previously subjected to core flux) shall be tested at the frequency described below.

- a. Sources in use - At least once per six months for all sealed sources containing radioactive material:



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

SUPPORTING AMENDMENT NO. 15 TO FACILITY LICENSE NO. DPR-71

CAROLINA POWER & LIGHT COMPANY

BRUNSWICK STEAM ELECTRIC PLANT, UNIT NO. 1

DOCKET NO. 50-325

1.0 Introduction

By letter dated September 12, 1978, Carolina Power & Light Company (the licensee) requested a change to the Technical Specifications for Brunswick Steam Electric Plant (BSEP), Unit No. 1 to extend the inaccessible snubber inspection period. This proposed license amendment would temporarily (one time only) extend the inspection interval for seven days to September 21, 1978.

2.0 Discussion

The proposed amendment would allow the licensee to continue to operate BSEP Unit No. 1 for a brief period of time beyond the end of the present inaccessible snubber inspection interval. If this one time extension were not granted, BSEP Unit No. 1 would have to be shut down on September 14, 1978 to perform an inspection of the inaccessible snubbers. The initial BSEP Unit No. 1 snubber inspection in accordance with the Technical Specifications was completed on June 12, 1977. During that inspection, one snubber in the "inaccessible during normal operation" group was determined to be inoperable. Based on Table 4.7.5-1 of the Technical Specifications, that required the next inspection to be performed in 12 months + 25%*, making the latest date to perform the inspection September 14, 1978, and the earliest date to perform the inspection March 12, 1978.

Since BSEP Unit No. 1 has not experienced an outage of sufficient duration (4-5 days) to complete the inaccessible snubber inspection during the period after March 12, 1978 the licensee has, with justification, postponed the snubber inspection to avoid a shutdown during the summer peak demand period.

Unfortunately, BSEP Unit No. 2 had to be shut down by a manual scram on September 6, 1978 because of high chloride concentration in the reactor water. High chlorides were caused by condenser tube leaks which were a

*365 days + 92 days, by the licensee's interpretation

result of damage caused by a blown extraction steam expansion bellows. The repair of this damage is expected to take approximately 10 days before BSEP Unit 2 can return to power operation. Unless the requested relief is granted, both BSEP Units will be shut down during unfavorable weather conditions creating a situation with less than sufficient system capacity to meet the load forecast. The purpose of this safety evaluation is therefore to determine whether a delay in performance of the snubber inspection at BSEP Unit No. 1 will have a significant impact on the health and safety of the public.

3.0 Evaluation

During the initial inspection of the snubbers on BSEP Unit No. 1, one snubber was found to be inoperable out of a total of 288. In accordance with the BSEP Technical Specifications, this required going to a tightened inspection program. Had no snubbers been found inoperable the licensee would have been permitted to go to a reduced inspection program wherein the next inspection would not have been required until 18 months \pm 25 % after June 12, 1977. Thus, a basis has been established for requiring more frequent inspections until the licensee demonstrates that appropriate corrective measures have been taken to improve the availability of operable snubbers. A limited extension of ten days until September 24, 1978, which is still a somewhat tightened inspection interval when compared to the original interval, is judged to be acceptable for this one time. This is 3 days more than requested and should be adequate to account for any unforeseen delays in the startup of BSEP Unit 2. This extension represents only about an 11 percent increase in the inspection interval that would otherwise have been allowed by the Technical Specifications. Also, since only one snubber out of a total of 288 was found to be inoperable on the initial inspection after no formal inspection requirements from installation during plant construction until June 1977, a period of over 2 years, there is reasonable assurance that the performance of the snubbers will not be compromised during the short extension period being considered.

Based on the above, the limited relaxation of the tightened inspection interval for BSEP Unit No. 1 to permit a delay until no later than September 24, 1978 to conduct the next inspection of the inaccessible snubbers is acceptable.

Environmental Consideration

We have determined that this 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 this 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 impact statement, negative declaration, or environmental impact appraisal need not be prepared in connection with the issuance of this amendment.

Conclusion

We have concluded, based on the considerations discussed above, that: (1) because this amendment does not involve a significant increase in the probability or consequences of accidents previously considered and does not involve a significant decrease in a safety margin, the amendment does 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 this amendment will not be inimical to the common defense and security or to the health and safety of the public.

Dated: September 13, 1978

UNITED STATES NUCLEAR REGULATORY COMMISSIONDOCKET NO. 50-325CAROLINA POWER & LIGHT COMPANYNOTICE OF ISSUANCE OF AMENDMENT TO FACILITY
OPERATING LICENSE

The U. S. Nuclear Regulatory Commission (the Commission) has issued Amendment No. 15 to Facility Operating License No. DPR-71, issued to Carolina Power & Light Company (the licensee) for operation of the Brunswick Steam Electric Plant, Unit No. 1 (the facility), located in Brunswick County, North Carolina. The amendment is effective as of its date of issuance.

The amendment revises TABLE 4.7.5-1 HYDRAULIC SNUBBER INSPECTION SCHEDULE to provide a one time extension for the inaccessible snubber inspection interval of ten days to September 24, 1978.


The application for 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 the amendment was not required since the amendment does not involve a significant hazards consideration.

The Commission has determined that the issuance of the amendment will not result in any significant environmental impact and that 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 amendment.

For further details with respect to this action, see (1) the application for amendment dated September 12, 1978, (2) Amendment No. 15 to License No. DPR-71, 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. 20555, 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 Operating Reactors.

Dated at Bethesda, Maryland this 13th day of September 1978.

FOR THE NUCLEAR REGULATORY COMMISSION


Thomas A. Ippolito, Chief
Operating Reactors Branch #3
Division of Operating Reactors