



Carolina Power & Light Company

SEP 29 1983

SERIAL: LAP-83-57

Director of Nuclear Reactor Regulation
Attention: Mr. D. B. Vassallo, Chief
Operating Reactors Branch No. 2
Division of Licensing
United States Nuclear Regulatory Commission
Washington, DC 20555

BRUNSWICK STEAM ELECTRIC PLANT, UNIT NO. 2
DOCKET NO. 50-324
LICENSE NO. DPR-62
REQUEST FOR LICENSE AMENDMENT
AUGMENTED OFF-GAS SYSTEM MODIFICATIONS

Dear Mr. Vassallo:

SUMMARY

In accordance with the Code of Federal Regulations, Title 10, Part 50.90 and Part 2.101, Carolina Power & Light Company (CP&L) hereby requests revisions to the Operating License of the Brunswick Steam Electric Plant, Unit No. 2 (Brunswick-2). These revisions affect the required operability date of the augmented off-gas (AOG) system modifications.

DISCUSSION

In June 1981, Amendment Nos. 37 and 58 to the Operating Licenses for the Brunswick Steam Electric Plant, Units 1 and 2 were issued. The amendments required that the AOG system be operable by May 31, 1983 for Brunswick-1 and by December 31, 1983 for Brunswick-2. As of this date, Brunswick-1 AOG system installation is complete and the system is operational. The Brunswick-2 AOG system is partially complete. Submittal of the proposed Technical Specifications for the AOG system, which was required by January 15, 1983 for Brunswick-1 and July 15, 1983 for Brunswick-2 under the above referenced amendments, was made in December 1982 as part of our Radiological Effluent Technical Specifications (RETS) submittal.

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Brunswick-2 Operating License paragraph 2.H, as issued in Amendment No. 58, requires that the AOG system installation be complete by December 31, 1983. This date was based on our then scheduled 1983 refueling outage being complete by November 1983. The December 31, 1983 required date thus allowed approximately eight weeks for AOG system start-up testing following the refueling outage. The Brunswick-2 refueling outage is now scheduled to commence in March 1984; therefore, CP&L requests a revision to the Operating License for Brunswick-2 as described in the enclosure to reflect the revised schedule for the refueling outage. The resulting extension is in keeping with the general practice of scheduling based on operating cycles and will permit completion of installation and testing of the Brunswick-2 AOG system following plant startup on or about November of 1984.

The remaining AOG system modifications are outage-related work and cannot be completed while the unit is operating. In particular, installation of the hydrogen recombiner portion of the AOG system modification is the critical path item for work planned during the upcoming Brunswick-2 refueling/maintenance outage. The hydrogen recombiner AOG system modifications will require 27 weeks to complete.

SIGNIFICANT HAZARDS ANALYSIS

Carolina Power & Light Company has reviewed this request and determined that the proposed revision to paragraph 2.H of the Brunswick-2 Operating License involves no significant hazards consideration because the proposed change does not (1) involve an increase in the probability or consequences of an accident previously evaluated, (2) create the possibility of a new or different kind of accident from any accident previously evaluated, or (3) involve a reduction in a margin of safety since the existing Technical Specifications limit gaseous effluents. The Brunswick Technical Specifications limit the annual gaseous releases from the two units to the 10 CFR 50, Appendix I design objectives during the interim period until the AOG system is installed and operational. During the interval from December 31, 1983 to March 1984, gaseous effluents will continue to be maintained within the current Technical Specification limits. The proposed revision to Operating License paragraph 2.H is administrative in nature and simply re-schedules the date for completing installation of the augmented off-gas system consistent with the planned Brunswick-2 refueling/maintenance outage to begin in March 1984.

ADMINISTRATIVE INFORMATION

Attachment 1 provides the proposed revision to paragraph 2.H of the Brunswick-2 Operating License. In accordance with 10 CFR 170.22, we have determined that this request is administrative in nature and thus constitutes one Class II license amendment request. Our check for \$1,200 is enclosed in payment of the required fee.

D. B. Vassallo

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Should you have any questions concerning this submittal, please contact our staff.

Yours very truly,

P. W. Howe

P. W. Howe
Vice President
Brunswick Nuclear Project

WRM/ccc (6349JSD)
Enclosure

P. W. Howe, having been first duly sworn, did depose and say that the information contained herein is true and correct to the best of his information, knowledge and belief; and the sources of his information are officers, employees, contractors, and agents of Carolina Power & Light Company.

Pamela A. Green
Notary (Seal)

My commission expires:

April 15, 1984

cc: Mr. D. O. Myers (NRC-BSEP)
Mr. J. P. O'Reilly (NRC-RII)
Mr. S. D. MacKay (NRC)

Mr. D. H. Brown
Radiation Protection Branch
Division of Facility Services
Department of Human Resources

Enclosure to LAP-83-57
Reference No. 83TSB33

BRUNSWICK STEAM ELECTRIC PLANT, UNIT NO. 2

Proposed Operating License Revision Operating License Paragraph 2.h.

- 2.H The licensee shall proceed with the necessary design, procurement and construction of the modifications to the augmented off-gas system. By July 15, 1983, the Licensee shall submit proposed Technical Specifications which incorporate effluent limits that reflect the required operation of the augmented off-gas system. Within two months following the extended outage scheduled to begin in March 1984, the Licensee shall have the augmented off-gas system operable, and the system shall operate in accordance with the referenced Technical Specifications, as issued.

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