



Carolina Power & Light Company

DEC 20 1985

SERIAL: NLS-85-445

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
RESPONSE TO REQUEST FOR ADDITIONAL INFORMATION
APPENDIX J EXEMPTION REQUEST

Dear Mr. Vassallo:

On November 27, 1985, a conference call was held with members of your staff. As a result of this call, Carolina Power & Light Company agreed to provide additional information regarding Exemption 3 (H₂/O₂ Monitor Isolation Valves) of our October 25, 1985 Appendix J exemption request.

The instrument lines associated with this exemption are 1/2" outside diameter lines connected to H₂/O₂ monitors CAC-AT-4409 and CAC-AT-4410, which are the major components of the Containment monitor system (CMS). Figure 1 provides a system diagram for the CMS. The CMS is a Class 1E nuclear safety related system and as such is designed to operate under normal as well as LOCA and HELB conditions. The system provides accurate measurements of hydrogen and oxygen at containment pressures up to 50 psi and temperatures to 445°F. The CMS is an in-line monitoring system; gases and condensables, including span gases, are returned to the containment after sampling.

Please refer any further questions regarding this matter to Mr. Stephen D. Floyd at (919) 836-6901.

Yours very truly,

S. R. Zimmerman
Manager

Nuclear Licensing Section

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Attachment

cc: Mr. W. H. Ruland (NRC-BNP)
Dr. J. Nelson Grace (NRC-R11)
Mr. M. Grotenhuis (NRC)

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EB (LIAW)
PSB (L. HULMAN)
ETCSB (SRINIVASAN)
RSB (ACTING)
FOR (VASSALLO)
AD - G. LAINAS (ltr only)