



Carolina Power & Light Company

DEC 13 1985

SERIAL: NLS-85-440

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 NOS. 1 AND 2  
DOCKET NOS. 50-325 & 50-324/LICENSE NOS. DPR-71 & DPR-62  
MODIFICATION OF VACUUM BREAKERS ON  
MARK I CONTAINMENTS (GENERIC LETTER 83-08)

Dear Mr. Vassallo:

In a letter dated November 5, 1985, your staff requested additional information concerning our response to Generic Letter 83-08, dated June 23, 1983. Enclosure 1 contains the requested information.

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

MAT/ccc (3094MAT)

Enclosure

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

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ENCLOSURE 1

TO SERIAL NLS-85-440

**Question 1** Is the chugging source rate used in the BSEP evaluation the same as the one developed in CDI Report (#84-3)? If not the same, provide the chugging source rate with the supporting justification.

**Response** Yes. The methodology followed in CDI Report No. 84-3 is identical to the methodology used in the Brunswick evaluation.

**Question 2** Did the BSEP calculation apply the 1.07 load factor to account for the uncertainty in calculating the underpressure (Section IV of the staff's generic evaluation)?

**Response** Yes. The 1.07 load factor used to assure conservative prediction of the underpressure was applied to the Brunswick evaluation.

**Question 3** Have the BSEP calculations used the drywell model which results in the most conservative prediction (Section V of the generic evaluation)?

**Response** Yes. For the Brunswick evaluation the acoustic volume model results in the most conservative forcing function, and was therefore used.