

DISTRIBUTION: DEisenhut
Docket File SNorris
NRC PDR JVanVliet
L PDR Gray File
OELD

ASLAB
RDiggs
DBrinkman
CMiles
LSchneider

Docket Nos. 50-325 AEOD
and 50-324 IE
ACRS-10
TBarnhart-8

OCT 1 - 1982

Mr. J. A. Jones
Senior Executive Vice President
Carolina Power & Light Company
P. O. Box 1551
Raleigh, North Carolina 27602

Dear Mr. Jones:

Subject: NUREG-0737 Item II.B.1, Reactor Coolant System High Point Vents

Re: Brunswick Steam Electric Plant, Unit Nos. 1 and 2

We have completed our review of the subject action item for your facility. Our review encompassed your previous submittals and other pertinent correspondence as referenced in the enclosed Safety Evaluation. We find that the venting capability at your facility is acceptable, and, thus, consider the subject item resolved.

Please note that our review addressed only the subject action item and should not be considered to be an evaluation of your compliance with 10 CFR 50.44. Additionally, our review did not address automatic depressurization system valve accumulator capacity, as that review is being performed under NUREG-0737 Action Item II.K.3.2g.

Sincerely,

Original signed by
D. B. Vassallo

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

Enclosures:

- 1. Safety Evaluation
- 2. Technical Evaluation

cc w/ enclosures: See next page

8210290110 821001
PDR ADOCK 05000324
P PDR

DBV

OFFICE	ORB#2:DL	ORB#2:DL	C-ORB#2:DL				
SURNAME	SNorris	JVanVliet/cb	DVassallo				
DATE	9/17/82	9/11/82	10/1/82				

Mr. J. A. Jones
Carolina Power & Light Company

cc:

Richard E. Jones, Esquire
Carolina Power & Light Company
336 Fayetteville Street
Raleigh, North Carolina 27602

George F. Trowbridge, Esquire
Shaw, Pittman, Potts & Trowbridge
1800 M Street, N. W.
Washington, D. C. 20036

Mr. Charles R. Dietz
Plant Manager
P. O. Box 458
Southport, North Carolina 28461

Mr. Franky Thomas, Chairman
Board of Commissioners
P. O. Box 249
Bolivia, North Carolina 28422

Mrs. Chrys Baggett
State Clearinghouse
Budget & Management
116 West Jones Street
Raleigh, North Carolina 27603

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

U. S. Environmental Protection Agency
Region IV Office
Regional Radiation Representative
345 Courtland Street, N. W.
Atlanta, Georgia 30308

Resident Inspector
U. S. Nuclear Regulatory Commission
P. O. Box 1057
Southport, North Carolina 28461

James P. O'Reilly
Regional Administrator, Region II
U.S. Nuclear Regulatory Commission
101 Marietta Street, Suite 3100
Atlanta, Georgia 30303



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION
FOR NUREG-0737, ITEM II.B.1
REACTOR COOLANT SYSTEM HIGH POINT VENTS
BRUNSWICK STEAM ELECTRIC PLANT, UNIT NOS. 1 AND 2

1.0 Introduction

NUREG-0737, Item II.B.1, "Reactor Coolant System Vents" states that each licensee shall install reactor coolant system (RCS) vents to vent non-condensable gases which may inhibit core cooling during natural circulation. By submittals as referenced in the enclosed Technical Evaluation Report (TER), the licensee endorsed the BWR Owner's Group position and provided certain, additional plant-specific information.

2.0 Evaluation

Lawrence Livermore Laboratory, our contractor for this item, has reviewed the design of existing systems at Brunswick Unit Nos. 1 and 2 and concluded that the existing systems are sufficient to vent noncondensable gases from the RCS and meet the requirements of NUREG-0737 Item II.B.1. We have reviewed the TER and the existing systems and conclude that these systems will vent, or are available to vent, the RCS.

Two confirmatory items were noted by our contractor in its TER. Resolution of these items is discussed in the following paragraphs.

Since operator responses to indications of inadequate core cooling, such as low core water level, are the same for both steam and non condensable gases, we conclude that explicit instructions for venting non condensable gases are not necessary.

The existing technical specifications for the Automatic Depressurization System (ADS) valves require that the valves be operable as a condition for RCS pressurization. The ADS valve accumulator capacity is currently under review (TMI Action Plan Item II.K.3.28) to verify that each valve may be opened at least 5 times. Pending satisfactory resolution of Item II.K.3.28, we find the existing technical specifications on ADS valve operability sufficient to cover the use of ADS valves as vents.

Therefore, based on our contractor's recommendation that the venting capability be found acceptable with satisfactory resolution of the confirmatory items described in the TER, and our review, as described above, we find the Brunswick Unit Nos. 1 and 2 venting capability acceptable.

Dated:

The following NRC staff personnel have contributed to this Safety Evaluation:
G. Alberthal, J. Van Vliet.