SOUTH CAROLINA ELECTRIC & GAS COMPANY
POST OFFICE 764
COLUMBIA, SOUTH CAROLINA 29218

O. W. DIXON, JR.
VICE PRESIDENT
NUCLEAR OPERATIONS

August 9, 1985

Mr. Harold R. Denton, Director
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, DC 20555

Subject: Virgil C. Summer Nuclear Station
Docket No. 50/395
Operating License No. NPF-12
Reactor Coolant System Flow

Dear Mr. Denton:

In a letter from Mr. O. W. Dixon, Jr., to Mr. H. R. Denton dated March 6, 1985 and supplemented by a submittal dated April 30, 1985, South Carolina Electric and Gas Company (SCE&G) requested an amendment to the Virgil C. Summer Nuclear Station Technical Specifications to reduce the thermal design flow by 1.9%. As a result of discussions with NRC Staff, SCE&G hereby requests the Bases Section be modified as shown on Attachment A. This attachment should replace page 9 of 15 to Attachment I contained in the March 6, 1985 submittal. This change does not alter the technical content or position of the original submittal, and is being made only to provide additional clarification to the Bases Section in support of the amendment request.

The application fee required by 10CFR170 was transmitted previously with the March 6, 1985 amendment request.

If you should have any further questions, please advise.

Very truly yours,

O. W. Dixon, Jr.

AMM/OWD/csw
Attachment

cc: V. C. Summer
T. C. Nichols, Jr./O. W. Dixon, Jr.
E. H. Crews, Jr.
E. C. Roberts
W. A. Williams, Jr.
D. A. Nauman
J. Nelson Grace
Group Managers
O. S. Bradham
C. A. Price
C. L. Ligon (NSRC)
K. E. Nodland
R. A. Stough
G. O. Percival
C. W. Hehl
J. B. Knotts, Jr.
H. G. Shealy
NPCF
File

A001
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ATTACHMENT "A"

Insert A

Tech. Spec. Insert

Fuel rod bowing reduces the value of DNB ratio. Credit is available to offset this reduction in the generic margin. The generic design margins, totaling 9.1% DNBR, completely offset any rod bow penalties.* This margin includes the following:

1) Design limit DNBR of 1.30 vs. 1.28
2) Grid Spacing (K_s) of 0.046 vs. 0.059
3) Thermal Diffusion Coefficient of 0.038 vs. 0.059
4) DNBR Multiplier of 0.86 vs. 0.88
5) Pitch reduction

The applicable value of rod bow penalties is referenced in the FSAR.

* The generic margins also offset the penalty associated with the thermal design flow reduction included in Amendment __ to the Technical Specifications.