

SOUTH CAROLINA ELECTRIC & GAS COMPANY

POST OFFICE BOX 764

COLUMBIA, SOUTH CAROLINA 29213

January 16, 1981

T. C. NICHOLS, JR.
VICE PRESIDENT AND GROUP EXECUTIVE
NUCLEAR OPERATIONS

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

Subject: Virgil C. Summer Nuclear Station
Docket No. 50/395
Reportable Item in Accordance
with 10CFR21
Inadvertent Boron Dilution

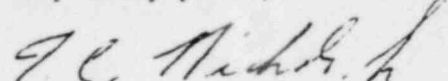
Dear Mr. O'Reilly:

On October 24, 1980, South Carolina Electric & Gas Company (SCE&G) informed NRC of a substantial safety hazard concerning the potential for an inadvertent boron dilution event at cold or hot shutdown conditions while on the Residual Heat Removal System. A boron dilution results in a reactivity addition which could lead to a loss of shutdown margin and cause a substantial safety hazard as defined by 10CFR21. Under the SCE&G program, we reported this as a significant deficiency under 10CFR50.55(e).

On November 20, 1980, SCE&G submitted an interim report on this item. Attachment A of this report presented a discussion of the Westinghouse concerns and recommended actions. Appendix A of Attachment A presented two methods for locking out reactor makeup water supply. There are some incorrect valve numbers listed in these methods. In Item 1, valve 8457 is incorrect and should be designated as valve 8430. In Item 2, valve FCV-114A is incorrect and should be designated as valve FCV-168A.

A final report will be issued after the Westinghouse investigation is completed and the long-term solution has been evaluated. If you have any questions concerning this report, please call me.

Very truly yours,



T. C. Nichols, Jr.

BSM:TCN:glb

cc: Page Two

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Mr. James P. O'Reilly

January 16, 1981

Page Two

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