

SOUTH CAROLINA ELECTRIC & GAS COMPANY

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COLUMBIA, SOUTH CAROLINA 29218

July 29, 1981

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



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

Subject: Virgil C. Summer Nuclear Station  
Docket No. 50/395  
TMI Item II.D.1  
PORV Block Valves

Dear Mr. Denton:

At the request of Mr. William Kane, South Carolina Electric and Gas Company provides the following information regarding the PORV block valves for the Virgil C. Summer Nuclear Station.

As discussed in our letter to Mr. Denton dated March 25, 1981, and in FSAR Section 5.5.13.4, PORV block valves similar to those located at Summer Station were to be tested at Duke Power's Marshall Steam Plant. Westinghouse type 3GM88 valves, the exact model located at Virgil C. Summer Nuclear Station, were tested at the Marshall Steam Plant. Initial test results were unacceptable as the valves failed to close during full flow conditions. As instructed by Westinghouse a design modification was made and subsequent testing proved successful. The modification involved changing the valve operation from torque to limit control.

As indicated in our response to NRC I&E Bulletin 81-02 dated July 7, 1981, the same modification was made to the Virgil C. Summer Nuclear Station valves.

Additional in plant tests will be performed at Virgil C. Summer Nuclear Station during our next hot functional testing scheduled to start in mid September. These tests will involve cycling the block valve with the associated PORV open at normal operating conditions.

If you require additional information, please let us know.

Yours very truly,

*T. C. Nichols, Jr.*  
T. C. Nichols, Jr.

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S/O

Mr. Harold R. Denton  
July 28, 1981  
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