

SOUTH CAROLINA ELECTRIC & GAS COMPANY

POST OFFICE 764

COLUMBIA, SOUTH CAROLINA 29218

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

September 22, 1982

Mr. James P. O'Reilly, Director
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
Operating License No. NPF-12
Significant Deficiency

82 SEP 28

APR 1 : 06

USNRC REGION II
ATLANTA, GEORGIA

Dear Mr. O'Reilly:

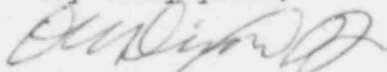
On July 26, 1982, Mr. John Rogge of your office was informed of a significant deficiency under the provisions of 10CFR50.55(e). An interim report was sent on August 25, 1982. This deficiency involved the penetration gap requirements of safety related piping systems. When a safety related piping system passes through a wall sleeve, specific minimum clearances must be provided to allow for the predicted thermal/seismic movement. When these clearances are not provided, the sleeve becomes a restraint not considered in the original analysis.

Penetration gaps for safety related piping were measured and compared against the latest pipe movements from the analyses. It was found by a follow-up QC inspection that previously accepted penetrations had less clearance than when accepted. This was the result of the lack of communication between organizations. Construction crews were still in the process of installing insulation and penetration seals. Seals and insulation in several cases had been installed after QC measurement of the existing clearances. The impact of this could have been that safety related piping would be improperly supported and exceeding design allowable stresses.

Subsequently, a 100% reinspection and remeasurement program was implemented to determine the as installed conditions again. A review was made for necessary clearances and modifications were identified and implemented. Modifications to piping penetrations for insulating and/or sealing purposes from this time on were handled through the Field Change Request program and specifically reviewed for required pipe clearances. In this manner it was ensured that future building sealing work would not violate the piping movement requirements.

This is a final report on the subject 10CFR50.55(e). If you require additional information, please advise.

Very truly yours,


O. W. Dixon, Jr.

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Mr. James P. O'Reilly
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