

SOUTH CAROLINA ELECTRIC & GAS COMPANY

POST OFFICE 764

COLUMBIA, SOUTH CAROLINA 29218

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

82 SEP 15 1982
September 15, 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
Computer Analyzed Gap Requirements
For Guide Restraints
Significant Deficiency

Dear Mr. O'Reilly:

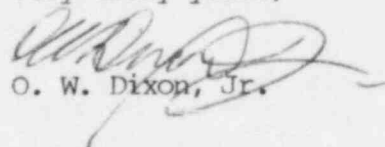
On July 26, 1982, Mr. John Rogge of your office was informed of a significant deficiency under the provisions of 10CFR50.55(e). This deficiency involves the clearance requirements between safety related piping and its supports when the supports are box type guides. South Carolina Electric and Gas Company's (SCE&G) installation criteria for this type of support is that a minimum 1/32 inch be provided on one side of the pipe. This clearance can be a maximum of 1/16 inch on both sides of the pipe or 1/8 inch on one side.

As a part of the Independent Design Verification walkdown, three supports were found to have clearances in excess of the criteria. Subsequently, a 100% review was made of computer analyzed box type guides. Modifications were required on several supports as a result of excessive clearances as well as not enough clearance in some cases. Although good engineering judgement indicates that this is not a problem, without a complete analytical review, safety related piping systems must be considered to be improperly supported.

SCE&G's installation QC procedures did require a check of the box type restraint clearances. The cause of this deficiency must be attributed to a combination of conditions: thermal expansion due to ambient temperature changes, installation of the supports without the pipe full of water, effect of other support and piping installations up the line. Corrective action for this deficiency has already been implemented. Nonconforming supports found as a part of our 100% review have been corrected, and this letter is considered to be a final report.

If you require additional information, please advise.

Very truly yours,


O. W. Dixon, Jr.

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