



South Carolina Electric & Gas Company
P.O. Box 764
Columbia, SC 29218
(803) 748-3513

Dan A. Nauman
Vice President
Nuclear Operations

88 APR 6 9:28
March 30, 1988

Dr. J. Nelson Grace
Regional Administrator
U. S. Nuclear Regulatory Commission
Suite 2900
101 Marietta Street, NW
Atlanta, Georgia 30323

SUBJECT: Virgil C. Summer Nuclear Station
Docket No. 50/395
Operating License No. NPF-12
NRC Bulletin No. 88-01

Dear Dr. Grace:

On February 9, 1988, South Carolina Electric & Gas Company (SCE&G) received NRC Bulletin No. 88-01, "Defects in Westinghouse Circuit Breakers." This response is a letter of confirmation that SCE&G completed the requested short term inspection at its Virgil C. Summer Nuclear Station on March 9, 1988. The Westinghouse DS-416 circuit breakers are the only circuit breaker types listed in NRC Bulletin 88-01 which are in use at the Virgil C. Summer Nuclear Station. We have five Westinghouse DS-416 circuit breakers that are rotated into four reactor trip main and bypass breaker positions. These breakers are identified by equipment numbers XSW0001-RT1 through XSW0001-RT5. All five reactor trip breakers did not meet the acceptance criteria of 6.1.1 in the bulletin. Four breakers did meet the 6.1.2 acceptance criteria. One breaker, XSW0001-RT3, required corrective action due to the pole shaft welds not meeting the acceptance criteria of 6.1.2 in the bulletin. The pole shaft did not meet the criteria for weld size over a continuous length. An additional weld on the same pole shaft contained a crack of approximately 5/8". This weld was located on the main drive link bushing where it joins the center pole lever, and it is not covered by the short term or long term inspection. A replacement pole shaft was ordered and received from Westinghouse.

The replacement pole shaft was inspected by SCE&G prior to installation, and it was discovered that the replacement pole shaft did not meet the acceptance criteria of 6.1.1 in the bulletin but met the acceptance criteria of 6.1.2. The weld for one of the three main pole shaft welds dropped slightly below the 3/16" acceptance criteria for a small section of the 180° continuous length of the weld. NRC Region II was contacted along with the Resident Inspector to discuss whether the replacement pole shaft could be used under the time limits as stated in 6.2.2 of the bulletin. NRC Region II stated that the replacement pole shaft could be used under the time constraints in 6.2.2 of the bulletin until a pole shaft meeting the acceptance criteria of 6.1.1 could be procured. SCE&G has ordered five replacement pole shafts, which meet the 6.1.1 acceptance criteria, for the five reactor trip breakers at the Virgil C. Summer Nuclear Station.

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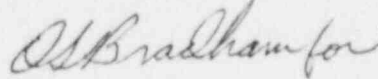
The number of breakers requiring corrective actions, if any, due to mechanism alignments has not been determined as this is an item to be addressed under the long term inspection program. The long term inspection is scheduled for the fall of 1988, during the fourth refueling.

The following are items which were requested in the bulletin regarding cost of complying with this bulletin.

- (1) The staff time to perform inspections, corrective actions, and operability testing was 165 manhours.
- (2) The staff time to review testing and prepare documentation was 60 manhours.
- (3) Additional cost incurred as a result of corrective actions was \$7500.00 for five pole shafts and associated hardware.

The information contained in this letter is true and correct to the best of my knowledge, information and belief. If you have any questions, please advise.

Very truly yours,



D. A. Nauman

JSB:DAN/lcd

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