

SOUTH CAROLINA ELECTRIC & GAS COMPANY

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COLUMBIA, SOUTH CAROLINA 29218

E. H. CREWS, JR.
VICE-PRESIDENT AND GROUP EXECUTIVE
ENGINEERING AND CONSTRUCTION

February 12, 1980

Mr. James P. O'Reilly
Office of Inspection and Enforcement
United States Nuclear Regulatory Commission
Region II
101 Marietta Street, NW, Suite 3100
Atlanta, Georgia 30303

50,55e

Subject: V. C. Summer Nuclear Station
Reportable Significant Deficiency -
Automatic and Gravity Dampers
Nuclear Eng. File - 3.1051

Dear Mr. O'Reilly:

On February 8, 1980 Mr. Tom Burdette of NRC Region II was notified of a reportable significant deficiency. Details of the problem are discussed below:

1. Name of Reporting Individual

Ronald B. Clary - P. O. Box 764 - Columbia, S. C. 29218

2. Identification of Basic Component

Safety related automatic and gravity ventilation dampers.

3. Identification of Firm Supplying Component

Bahnson, Industrial Air Quality Division, Box 10458, Winston Salem, North Carolina, 27108.

4. Nature of Defect

Individual damper blades are connected to actuators and/or the damper frame by linkages. Setscrews are used to hold the blades, linkages and actuator arms in place. The problem discovered during startup testing is that the Bahnson design did not account for the hardness of a shaft and too hard a material was used. Under operating conditions setscrews holding the various blades, linkages and arms may come loose. Therefore, the damper blades may assume an improper position. Failure of the dampers to be in the correct position could possibly lead to excessive radiation exposures or affect the ability of the plant to safely shutdown.

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5. Date Information of Defect was Obtained

The problem was first discovered on December 28, 1979. Evaluation of the scope of the problem, its affect on the safety of the plant and corrective action was completed on February 8, 1980.

6. Number and Location of Defects

Sixty-four dampers in the fuel handling building ventilation system, control room ventilation system, relay room ventilation system, controlled access supply ventilation system, service water pumphouse ventilation system, battery room ventilation system, instrument repair room ventilation system, computer room ventilation system and the diesel generator building ventilation system are involved.

7. Corrective Action

Corrective action is being taken to provide fillet welds at several locations to prevent slipping. Also, Bahnsen was notified for possible 10CFR Part 21 reporting purposes.

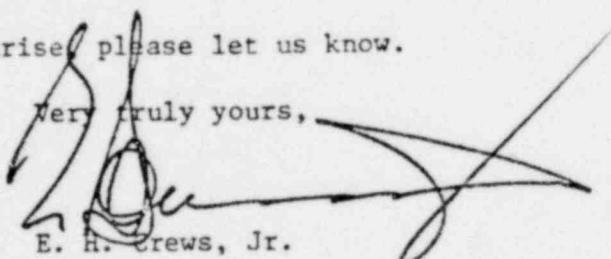
8. Advice

This is a similar problem to the significant deficiency reported to the NRC on December 18, 1979 regarding damper/actuator control arm slippage.

Under the South Carolina Electric and Gas Company program this defect which has been determined to be a substantial safety hazard defined by 10CFR Part 21 is being reported as a significant deficiency under 10CFR 50.55(e). Since corrective action has been determined and is in progress, this will be the final report on this item.

If any questions arise, please let us know.

Very truly yours,


E. H. Crews, Jr.

RBC:EHC:jw

cc: Division of Inspection & Enforcement
(Washington, D. C.)