

ATTACHED IS A PART 21 REPORT FROM IE MAIL UNIT - ROOM 359E/W

PART 21 IDENTIFICATION NO. 80-200-000 COMPANY NAME South Carolina Gas Co.

DATE OF LETTER 3/3/80 DOCKET NO. 50-395

DATE DISTRIBUTED 3/12/80 ORIGINAL REPORT SUPPLEMENTARY

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| | | LOEB/MPA MNB 5715 |

ACTION:

PRELIMINARY EVALUATION OF THE ATTACHED REPORT INDICATES LEAD RESPONSIBILITY FOR FOLLOW-UP AS SHOWN BELOW:

IE NRR NMSS OTHER

- RCI
ROI
SG
FFMSI

SOUTH CAROLINA ELECTRIC & GAS COMPANY

POST OFFICE BOX 764

COLUMBIA, SOUTH CAROLINA 29218

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

March 7, 1980

80-200-000

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

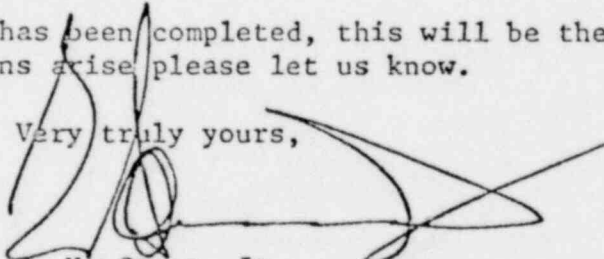
Subject: Virgil C. Summer Nuclear Station
Reportable Significant Deficiency
Emergency Feedwater Pump, Turbine
Governor Valve Linkage
Nuclear Engineering File - 3.1051

Dear Mr. O'Reilly:

On October 17, 1979 Mr. Jack Skolds of NRC Region II was notified of a potential significant deficiency. Under the South Carolina Electric and Gas Company program this defect which was determined, on March 4, 1980, to be a substantial safety hazard as defined by 10CFR Part 21 is being reported as a significant deficiency under 10CFR 50.55(e). In our preliminary evaluation, consideration had been given to the fact that redundant motor driven emergency feedwater pumps would prohibit this failure from being a substantial safety hazard; however, following discussions with Region II on March 3, 1980 regarding the use of redundancy in evaluation of substantial safety hazards, SCE&G reevaluated the deficiency. Mr. Jack Skolds of NRC Region II was notified on March 4, 1980 of this change in evaluation. Details of the problem are discussed in the attachment to this letter.

Since corrective action has been completed, this will be the final report on this item. If any questions arise please let us know.

Very truly yours,


E. H. Crews, Jr.

EHC:jw

cc: Office of Inspection and Enforcement

ATTACHMENT

1. Name of Reporting Individual

Mr. Ronald B. Clary - P. O. Box 764 - Columbia, South Carolina 29218.

2. Identification of Basic Component

Emergency Feedwater Pump Drive Turbine, TPP-8-EF.

3. Identification of Firm Supplying Component

Terry Corporation, P. O. Box 555, Windsor, Connecticut 06095.

4. Nature of Defect, Safety Hazard Created, Evaluation

The component involved is the emergency feedwater pump turbine which was manufactured by Terry Corporation and supplied through Bingham Willamette. The turbine is a type GS-2, horizontally split casing, tangential flow turbine fitted with a Woodward type PG-PL governor and equipped with a horizontally mounted steam control valve. The defect reported involved the potential for the governor valve to close when it should remain open while the turbine is on stand-by and being subjected to excessive vibration.

If the problem remained uncorrected it could be possible that during an accident the turbine driven emergency feedwater pump would not be available. If there was a concurrent single active failure of one of the 50% capacity motor driven pumps, this failure could possibly affect the ability to conduct a safe shutdown.

5. Date Information of Defect was Obtained

Terry Corporation letter to NRC dated November 6, 1979 identifying defect as a 10CFR 21 item.

6. Number and Location of Defects

There is only one emergency feedwater pump drive turbine, TPP-8-EF, in the V. C. Summer Nuclear Station.

7. Corrective Action

The corrective action taken was to modify the governor linkage to accommodate a spring which preloads the valve linkage so that the governor valve remains in the open position during stand-by. The modification was completed during February, 1980 utilizing a retrofit kit and instructions supplied by Terry Corporation.

8. Advice

None.