

SOUTH CAROLINA ELECTRIC & GAS COMPANY

POST OFFICE BOX 764

COLUMBIA, SOUTH CAROLINA 29218

T. C. NICHOLS, JR.
VICE PRESIDENT AND GROUP EXECUTIVE
NUCLEAR OPERATIONS

May 12, 1982

USNRC REGION 1
ATLANTA, GEORGIA
82 MAY 20 4 9:31

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
Substantial Safety Hazard
Wide Range Reactor Coolant System
Pressure Transmitters

Dear Mr. O'Reilly:

On April 12, 1982, the NRC was notified of a potential substantial safety hazard concerning the Wide Range Reactor Coolant System Pressure Transmitters. This item is now being reported as a reportable substantial safety hazard under the provisions of 10CFR21. This letter constitutes an interim report on this matter.

The nature of this problem is in the specified post-accident accuracy of the Wide Range Reactor Coolant System Pressure Transmitters supplied by Westinghouse. South Carolina Electric and Gas Company (SCE&G) was made aware of this concern through communications with Westinghouse and by means of I&E Notice 82-11. This letter provides the NRC information concerning SCE&G's resolution for both the near and long-term solution of this problem.

These transmitter outputs, combined with other information, are used by the operators to provide input to decision making for certain actions that may be required during a post-accident recovery mode. SCE&G is presently reviewing existing procedures to provide for the continued safe operation of the V. C. Summer Nuclear Station. Additional corrective action being considered is described and discussed in the attachment.

By mid-summer 1982, SCE&G expects to submit a report to the NRC indicating the final corrective action chosen and a schedule for its implementation and completion.

Very truly yours,

T. C. Nichols, Jr.
T. C. Nichols, Jr.

SHB:TCN:glb

cc: Page 2

OFFICIAL COPY

8206010573 S

IE 19
5/1/82

Mr. James P. O'Reilly
May 12, 1982
Page 2

cc: V. C. Summer w/o att.
G. H. Fischer w/o att.
H. N. Cyrus
T. C. Nichols, Jr. w/o att.
M. B. Whitaker, Jr.
O. W. Dixon, Jr.
H. T. Babb
D. A. Nauman
W. A. Williams, Jr.
R. B. Clary
O. S. Bradham
A. R. Koon
Site QA
H. Radin
M. N. Browne
G. J. Braldick
B. A. Bursey
J. K. Skolds
C. L. Ligon (NSRC)
J. B. Knotts, Jr.
I&E (Washington)
Document Management Branch
(55e, 21, LER only)
NPCF
File

10CFR21 - SUBSTANTIAL SAFETY HAZARD

1. Name and Address of Reporting Individual

Stephen M. Cunningham
P. O. Box 764
Columbia, SC 29218

2. Identification of Basic Component

Wide Range Reactor Coolant System Transmitters
One Barton Model 763, Lot 2, and one Veritrak

3. Identification of Firm Supplying Component

Westinghouse Electric Corporation

4. Nature of Defect, Substantial Safety Hazard Created, and Evaluation

For the existing Reactor Coolant System (RCS) Wide Range Pressure Transmitters there is a discrepancy between current functional requirements and instrumentation accuracy specifications for postulated post-accident environmental conditions. The potential post-accident inaccuracy of the RCS Wide Range Pressure measurement could result in inappropriate operator action based on use of this measurement in existing procedures. At this time, SCE&G is reviewing the procedures involving the use of this measurement along with other related information to assure that operator actions are based on this knowledge and to assure safe operation of the Plant until a final resolution is implemented.

5. Date Information of Defect Was Obtained - 4/7/82

6. Number and Location of Defect

Two Wide Range Pressure Transmitters located inside the Reactor Building.

7. Corrective Action

In the interim, SCE&G will review and revise as necessary the pertinent procedures to assure that the potential inaccuracies are considered when this information is used to determine operator actions.

SCE&G is pursuing final resolution of this concern with Westinghouse which will potentially involve either transmitter relocation, or redesign and requalification. Additional information will be provided in a future report.

8. Advice to Purchasers or Licensees

Review instrument specifications against functional requirements.