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UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

AUG 15 1980

Docket No. 50-395

Mr. T. C. Nichols, Jr.
Vice President & Group Executive
Nuclear Operations
South Carolina Electric & Gas Company
P. O. Box 764
Columbia, South Carolina 29281

Dear Mr. Nichols:

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION REGARDING TMI CONCERNS -
VIRGIL C. SUMMER NUCLEAR STATION, UNIT NO. 1

We have reviewed your responses to TMI-2 Action Plan Items II.B.3, II.F.1, and III.D.1.1. The information we reviewed included that contained in Amendments 18 and 19 to the FSAR. We have concluded that additional information is required in order for us to complete our review. Our requests for additional information are contained in the Enclosure to this letter.

We request that you provide this additional information not later than August 22, 1980. If you cannot meet this schedule or if you require any clarification, please contact the staff's assigned project manager.

Sincerely,

A handwritten signature in dark ink, appearing to read "R. L. Tedesco", written over a horizontal line.

Robert L. Tedesco, Assistant Director
for Licensing
Division of Licensing

Enclosure:
As stated

cc w/enclosure:
See next page

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THIS DOCUMENT CONTAINS
POOR QUALITY PAGES

AUG 15 1980

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Nuclear Operations
South Carolina Electric & Gas Company
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ETSB COMMENTS ON THE VIRGIL C. SUMMER NUCLEAR STATION
RESPONSE TO TMI CONCERNS
(APRIL 1980)

321.11

Additional Accident Monitoring Instrumentation (Effluent)

Action Plan II F.1

In Amendment 18 of the FSAR (Section 11.4) you propose to install a high range noble gas effluent monitor (RM-A13) in the main plant vent exhaust. You are also required to install a high range noble gas effluent monitor for the reactor building purge exhaust since this path is an independent release line.

Clarify that the steam dump/safety and containment hydrogen purge exhausts will be monitored by high range noble gas effluent monitors. If the installation of all of these monitors will be completed and calibrated by fuel loading, provide the information required in Item 2.1.8.b, Sections 1.B, and 2.B, given in the November 9, 1979 letter. If, however, you can not complete installation before fuel loading, then you should submit interim procedures and methods at this time, describing how you will quantify noble gas, particulate and radioiodine effluent releases (see Items 1.A.1.a, 1.A.1.b, 2.A.1 and 2.A.2 under Item 2.1.8.b in our letter dated November 9, 1979). Then you should complete the final installation of all the high range noble gas effluent monitors and provide information required in Item 2.1.8.b, Sections 1.B and 2.B, given in the November 9, 1979 letter, by January 1, 1981. Additional information is provided in NUREG-0694, "TMI-Related Requirements for New Operating Licenses," June 1980.

321.12 Primary Coolant Sources Outside Containment

Action Plan III.D.1.1

- a) At this time, before issuance of a full power license, provide a description of the program you will implement to reduce leakage to as-low-as practical levels from systems outside containment that could contain highly radioactive fluids during a serious transient or accident. Your description should contain adequate information regarding the method for the leak rate tests, their frequency, the test procedures for each system or subsystem and the acceptance criteria for the tests. Indicate the steps to be taken to minimize occupational radiation exposure, and assure system completeness. Specify the staffing and training requirements.
- b) The program should measure actual leakage rates with the systems in operation and provide a summary of the test results to NRC prior to issuance of a full power license.
- c) The program should use the design criteria for minimizing leakages from systems outside containment given in Section 6.3.2.11.3, Amendment 18 to the ISAR, and preventive maintenance and quality assurance programs.

For further information for Item 2, See NUREG-0694.

321.13 Post Accident Sampling

Action Plan II.B.3

- a) You have not addressed Action Plan II.B.3 in the Amendment 18 to the FSAR. Before issuance of a full-power license prior to January 1, 1981, you should complete the following requirements:
 - (i) Submit a descriptive summary of the interim provisions and procedures for sampling and analyzing the reactor coolant and the containment atmosphere. Your summary should include the interim modifications you will need to conduct the physical, chemical and radiological analysis steps.
 - (ii) Provide a description and final system design of any new sampling station provisions and final modifications to the sample handling and counting facilities to achieve analysis within the time specified in Item 2.1.8.a, given in the November 9, 1979 letter.
- b) You should complete the necessary improvements or installation of new facilities not later than January 1, 1981.

For further information for Item 3, see NUREG-0694.