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

Docket No. 50-395

OCT 28 1980

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

In our review of your responses to TMI matters, we have determined that additional information is required to enable us to complete our review. Enclosed are requests 321.14 thru 321.16 from the Effluent Treatment Systems Branch.

We request that you provide this additional information not later than November 7, 1980. If you cannot meet this schedule, or if you require clarification of the requests, please contact the staff's assigned project manager.

Sincerely,

Robert L. Tedesco  
Assistant Director for Licensing  
Division of Licensing

Enclosure:  
Request for Additional  
Information

cc w/enclosure:  
See next page

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Mr. T. C. Nichols, Jr.  
Vice President & Group Executive  
Nuclear Operations  
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P. O. Box 764  
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cc: Mr. William A. Williams, Jr.  
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South Carolina Public Service Authority  
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Resident Inspector/Summer NPS  
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Jenkinsville, South Carolina 29065

REQUESTS FOR ADDITIONAL INFORMATION

321.14 Additional Accident Monitoring Instrumentation (Effluent) Action Plan II.F.1

Your response regarding the above action plan is incomplete. At this time we require clarifications and additional information on the following items:

1. Will the Hydrogen Purge exhaust be also monitored by RM-A14?
2. In your FSAR, you have stated that, based on the process monitor RM-A9 reading, operator action will be undertaken to divert condenser air ejector releases via the main plant vent if needed. How soon will this manual diversion be completed when needed?
3. Will the area radiation monitors RM-G19A, B and C that you propose to install to monitor steam dump/safety valve releases provide a dose rate range equivalent to Xe-133 equivalent concentration range of  $10^{-1}$  to  $10^3$   $\mu\text{Ci}/\text{cc}$  in the discharge? How will you correct the readings of these external monitors for low energy gammas?
4. Describe the procedures and calculational methods you will employ to convert instrument readings to concentrations or/and release rates.
5. Describe how you will initially calibrate these monitors and also at what frequency, you will calibrate them periodically.
6. The additional information you are required to provide should include (a) the energy dependence of these monitors (b) the background correction to the instrument readings, if applicable (c) how these readings will be

displayed and disseminated (d) assurance that readings can be obtained at least every 15 minutes during and following an accident.

7. You should provide information on iodine and particulate effluent sampling for the main plant vent and reactor building purge releases.

321.15 Primary Coolant Sources Outside Containment - III.D.1.1 -

Your response regarding the above action is inadequate.

1. Provide a list of the systems that you propose to test for leakage in the immediate future.
2. Provide information on the continuing leak reduction program you plan to implement. The information should include (a) frequency of the integrated leak tests (b) method and summary of procedures for testing each system or subsystem (c) steps that will be taken for minimizing occupational exposures and (d) details on the preventive maintenance steps to reduce leakage to as-low-as practical levels.

321.16 Post Accident Sampling - Action Plan II.B.3

Your response regarding the above action plan is incomplete.

1. You should provide information on (a) time for completion of sample analysis (this should not exceed 2 hours) (b) isotopes that will be detected (c) concentration range for reactor coolant that can be sampled (d) quantification of dissolved gases in unpressurized reactor coolant samples.

2. Your information should include assurance that backup sampling through grab samples will be provided for systems using in-line monitoring for samples. You should also give the frequency of such grab sampling.
3. You should commit to (a) sampling containment atmosphere under both positive and negative containment atmosphere (b) not having to place in operation, to use the sampling systems, any system that may be isolated during an accident and (c) returning residues of sample collection to containment or a closed system.