



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

May 20, 1981



Mr. H. G. Parris
Manager of Power
Tennessee Valley Authority
500A Chestnut Street Tower II
Chattanooga, Tennessee 37401

Dear Mr. Parris:

SUBJECT: ENVIRONMENTAL QUALIFICATION OF SAFETY-RELATED ELECTRICAL EQUIPMENT

RE: SEQUOYAH, UNITS 1 AND 2

This letter transmits the preliminary results of our review of environmental qualifications of safety-related electrical equipment at your facilities. This evaluation was based on your submittals received over the past months.

The Sequoyah 1 license was issued with the requirement that all safety-related electrical equipment be qualified to specified requirements not later than June 30, 1982. In addition, the Commission's Memorandum and Order of May 23, 1980 (80-CLI-21) noted that a licensee is obligated to modify or replace inadequate equipment promptly.

The staff's review of your submittals for Sequoyah 1 and Sequoyah 2, has resulted in our identifying a number of potential equipment deficiencies involving a lack of proper documentation, inadequate justification of assumed environmental conditions following an accident, and/or inadequate environmental testing of equipment, such that conformance to NUREG-0588, as required by the Order, cannot be demonstrated. You are requested to review our identified deficiencies, and their ramifications, and provide us your overall finding regarding continued safe operation of Unit 1 and start up of Unit 2.

For Sequoyah 1, in order to determine whether your license should be modified or suspended, you are required pursuant to 10 CFR 50.54(f), to provide within 10 days of receipt of this letter, a written statement, signed under oath or affirmation supporting the safe operation of the facility, that takes into account the NRC staff's preliminary list of deficiencies. A negative finding on your part concerning the safety of continued operation, for Sequoyah 1, would result in a unit shutdown, and should be reported as a Licensee Event Report (LER) within twenty-four (24) hours of the determination to the appropriate NRC Regional Office. Include in the LER the actions you have taken for the immediate resolution of the matter. A copy of any such LER should be sent to the Director, Division of Licensing, Office of Nuclear Reactor Regulation.

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Mr. H.G. Parris

- 2 -

A similar finding including conformance with GDC 4 for Sequoyah 2 should be submitted promptly on a schedule to support the licensing of that unit. The purpose of this statement is to provide the NRC with needed assurance, by the licensee, regarding the continue safety of the facility until you can provide an item-by-item reevaluation in a detailed documented manner at a later date.

Please submit a copy of your replies to us via telecopy.

Sincerely,


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

Enclosure:
Evaluation Report for Sequoyah 1 and 2

cc w/enclosure:
See next page

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