

Docket Nos.: 50-327
and 50-328

JAN 31 1986

Mr. Steven A. White
Manager of Nuclear Power
Tennessee Valley Authority
6 North 38A Lookout Place
Chattanooga, Tennessee 37401

Dear Mr. White:

Subject: Sequoyah Nuclear Plant - Verification Test for the Auxiliary Power
Systems Voltage Study

During our telecon of January 8, 1986 with your staff, and our site visit on January 14-16, 1986, we discussed the question of whether the computer model used to analyze the auxiliary power system [(APS) voltage study] will be verified by an actual test. Your staff explained during our January 14-16 meeting at Sequoyah that the previous voltage study used an analytical model developed for the main frame computer while the new APS voltage study is being performed on the IBM PC. They assured us that the governing formulas, logics, and assumptions of the two models are compatible. Therefore, they intend to justify not performing the verification test. We indicated that we will review their justification when provided. Also, we learned that TVA has added one common station service transformer (making a total of three such transformers) to relieve loading on the transformers and to improve the distribution bus voltage profile.

In view of the fact that there have been changes in the processing system and electrical system configuration which may influence the system voltage calculation results, these changes must be addressed in any justification that no verification test is necessary.

Sincerely,

ORIGINAL SIGNED BY:

8602030200 860131
PDR ADDOCK 05000327
P PDR

B. J. Youngblood, Director
PWR Project Directorate #4
Division of PWR Licensing-A

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JAN 31 1986

Mr.
Tennessee Valley Authority

Sequoyah Nuclear Plant

cc:
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