

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

6N 38A Lookout Place

August 19, 1987

Mr. James G. Keppler, Director
Office of Special Projects
U.S. Nuclear Regulatory Commission
4350 East-West Highway
EHW 322
Bethesda, Maryland 20814

Dear Mr. Keppler:

In the Matter of the
Tennessee Valley Authority

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Docket Nos. 50-327
50-328

SEQUOYAH NUCLEAR PLANT (SQN) UNIT 2 CABLE TEST PROGRAM

After our meeting on August 12, 1987, you and your staff stated that the TVA revised cable testing program, submitted by letter dated July 31, 1987, was acceptable except for one concern. This concern was related to the integrity of American Insulated Wire (AIW) manufactured silicone rubber insulated cables meeting certain conditions in containment. The purpose of this letter is to advise you of the action I have directed my staff to take to resolve the issue.

It was your position that to resolve this concern, TVA should test 100 percent of the AIW cable to the test parameters and acceptance criteria discussed with your staff. Specifically, the cables shall be manufactured by AIW, be insulated with silicone rubber, located inside containment of SQN unit 2, be 10 CFR 50.49 cables, supported by a 90° conduit at the top of run, and shall have a vertical drop immediately below the 90° conduit that exceeds the requirements of National Electric Code Article 300-19.

During the discussion, there was insufficient information on the population of cables that could be tested. I stated that the exact population of conduits meeting these criteria was uncertain although my staff previously had informed your staff that they believed there might be between 7 to 11 conduits containing 33 to 50 cables. It has since been determined that the exact population of cables meeting the stated criteria is one conduit containing four cables.

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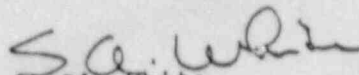
Mr. James G. Koppler, Director

August 19, 1987

It is our opinion that there is no technical justification to support additional testing of AIW silicone rubber insulated cables having a vertical drop below the 90° conduit. However, in view of your firm position and in the spirit of cooperation, immediately following our discussion on August 12, I directed that the testing be performed as requested.

Very truly yours,

TENNESSEE VALLEY AUTHORITY


S. A. White
Manager of Nuclear Power

cc: Mr. Gary G. Zech, Assistant Director
Regional Inspections
Division of TVA Projects
Office of Special Projects
U.S. Nuclear Regulatory Commission
101 Marietta Street, NW, Suite 2900
Atlanta, Georgia 30323

Mr. J. A. Zwolinski, Assistant Director
for Projects
Division of TVA Projects
Office of Special Projects
U.S. Nuclear Regulatory Commission
4350 East-West Highway
EWH 322
Bethesda, Maryland 20814

Sequoyah Resident Inspector
Sequoyah Nuclear Plant
2600 Igou Ferry Road
Soddy Daisy, Tennessee 37379