

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

1630 Chestnut Street Tower II

March 27, 1985

Mr. Harold R. Denton, Director
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Dear Mr. Denton:

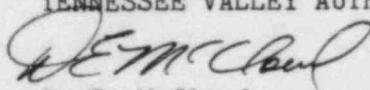
In the Matter of) Docket Nos. 50-327
Tennessee Valley Authority) 50-328

By the April 3, 1984 letter to H. G. Parris from you and by your November 30, 1984 letter to H. G. Parris, NRC approved TVA's request for extension of the deadlines for units 1 and 2 at our Sequoyah Nuclear Plant for environmental qualification of electrical equipment. In subsequent letters to NRC, in accordance with the requirements of 10 CFR 50.49(h), TVA provided notification of discovery of additional components that do not meet the requirements of NUREG-0588 for qualification. As requested in the March 25, 1985 meeting with NRC, regarding environmental qualification, enclosed is an updated status of SQN's progress to complete environmental qualification of all equipment, as well as an explanation of the items that have been added since our approved extension request dated March 23, 1984 for 166 items.

If you have any questions concerning this matter, please get in touch with R. E. Alsup at FTS 858-2725.

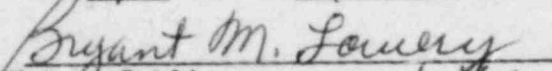
Very truly yours,

TENNESSEE VALLEY AUTHORITY



D. E. McCloud
Nuclear Engineer

Sworn to and subscribed before me
this 27th day of Mar. 1985


Notary Public
My Commission Expires 4/8/86

Enclosures
cc: See page 2

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Mr. Harold R. Denton

March 27, 1985

cc (Enclosures):

U.S. Nuclear Regulatory Commission
Region II
Attn: Dr. J. Nelson Grace, Regional Administrator
101 Marietta Street, NW, Suite 2900
Atlanta, Georgia 30323

Mr. Carl Stahle
U.S. Nuclear Regulatory Commission
Sequoyah Project Manager
7920 Norfolk Avenue
Bethesda, Maryland 20814

ENCLOSURE 1

CURRENT STATUS SUMMARY OF SEQUOYAH NUCLEAR PLANT UNITS 1 AND 2 WITH REGARDING TO 10 CFR 50.49

The current status summary of Sequoyah units 1 and 2 with regard to 10 CFR 50.49 is provided in table 1.

Sequoyah unit 1

As provided in enclosure 2, Sequoyah unit 1 during its second refueling outage (February 20, 1984 through April 17, 1984) lacked 166 replacement components due to procurement/delivery-related and installation-related problems. TVA has currently been averaging replacing two to three non-outage components per week on Sequoyah unit 1. If possible, TVA will continue to work non-outage components during power operation. In addition, TVA is currently scheduling an approximately 16-day ice weighing outage on Sequoyah unit 1 during the later part of April. TVA plans to replace a substantial portion of the remaining Category IV components during the outage. TVA has committed to be in compliance with 10 CFR 50.49 by startup following the unit 1 cycle 3 refueling outage which is currently scheduled for September 1985, but in no event later than November 30, 1985.

Sequoyah unit 2

Since our November 7 and 21, 1984 letters to NRC, we have reduced the number of Category IV components by one item. TVA plans to replace this component at the earliest practical time, but in no event later than November 30, 1985.

TVA believes Sequoyah has acted in good faith in reducing the number of Category III and IV components for both units and will continue to qualify these items as soon as possible. (Based on our understanding of the environmental equipment qualification required by 10 CFR 50.49, Sequoyah will be in full compliance with those requirements no later than November 30, 1985 for both units.)

ENCLOSURE 2
EXTENSION REQUEST SUBMITTALS

<u>Item</u>	<u>Approximate No. of Unqualified Components</u>	<u>Comments/Reasons</u>
Letter to NRC dated November 14, 1983	124	Included in March 23, 1984 submittal
Letter to NRC dated March 23, 1984	166	a. 133 Procurement Related (qualified components not available onsite at time of refueling outage) problems b. 33 components experience design/installation (e.g., qualified components unavailable; therefore design had to be changed to relocate) problems
Letter to NRC dated April 3, 1984	N/A	Additional information provided at NRC's request
Letter from NRC dated April 11, 1984	N/A	Approval granted for TVA's letters dated November 14, March 23, and April 3, 1984
Letter to NRC dated April 13, 1984	12*	a. 6 components experienced design/installation related problems. These components have now been relocated. b. 6 components could not be installed due to nonconformance (inadequate vendor documentation) of replacement components. The nonconformance has been cleared and the components have now been installed.

ENCLOSURE 2 (CONTINUED)

<u>UNIT</u>	<u>ITEM</u>	<u>APPROXIMATE NO. OF UNQUALIFIED COMPONENTS</u>	<u>COMMENTS/REASONS</u>
1	Letter to NRC dated May 14, 1984	8*	TVA failed to identify these components (steam generator level control valve positioners) which were being tested. These items have now completed qualification testing.
1	Letter to NRC dated September 7, 1984	6*	6 components were recategorized to Category IV due to recent main steam superheat issue inside and outside containment as identified by Westinghouse and IE Notice 84-90.
1	Letter to NRC dated December 20, 1984	58*	As a result of a Watts Bar nonconformance report, TVA determined that some components (e.g., solenoid valves, limit switches) for Sequoyah lacked sufficient documentation to determine if qualified sealing devices were installed.
1	Letter to NRC dated January 8, 1985	16*	<p>a. 8 components recategorized to Category IV as a result of our review of Operations and Maintenance Reminder (O&MR) 194.</p> <p>b. 4 components were determined unqualified to 10 CFR 50.49 requirements during review by TVA. Three out of four of those components have been replaced.</p> <p>c. TVA discovered 4 solenoid valves not replaced as required. TVA immediately replaced these components.</p>

ENCLOSURE 2 (CONTINUED)

2	Letter to NRC dated November 7, 1984	19	Included in November 21, 1984 letter
2	Letter to NRC dated November 21, 1984	19	a. (8) components testing b. (10) components with procurement related problems. c. (1) component replaced
2	Letter to NRC dated November 30, 1984		Approval granted for TVA's letters dated November 7 and 21, 1984

*Approximately 7 out of the additional 100 components have completed qualification testing or have been replaced/relocated.

TABLE 1
STATUS SUMMARY OF SEQUOYAH UNITS 1 AND 2
WITH REGARD TO 10 CFR 50.49

	<u>Category II Components</u>	<u>Category IV Components</u>	<u>Compliance Percentage</u>
Unit 1	8*	150	90
Unit 2	8*	1	99

- Notes: 1. The Category III components identified as those requiring additional testing
2. The Category IV components are identified as those requiring replacement/relocations

*TVA has just received the test reports which qualify the 16 components in question.