TENNESSEE VALLEY AUTHORITY
CHATTANOOGA, TENNESSEE 37401

5N 157B Lookout Place

FEB 03 1987

U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
Office of Nuclear Reactor Regulation
Washington, D.C. 20555

Attention: Mr. B. J. Youngblood

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

SEQUOYAH NUCLEAR PLANT - CORRECTIONS TO PREVIOUS SUBMITTALS

References:
1. Letter from R. Gridley to B. J. Youngblood dated December 23, 1986, "Additional Information on Sequoyah's Equipment Qualification Under Superheat Conditions"
2. Letter from R. Gridley to B. J. Youngblood dated December 29, 1986, "Electrical Calculations - Final Status Report"
3. Letter from R. Gridley to B. J. Youngblood dated January 20, 1987, "Division of Nuclear Engineering Design Calculations Efforts"

Several recent letters contained errors of omission. Enclosure 1 contains a copy of Table 2, page 15 and figure 7, which were inadvertently omitted from reference 1. Enclosure 2 contains a copy of sheet 1/7 from enclosure 2 of reference 2. This sheet was inadvertently omitted. Enclosure 3 contains the correct copy of enclosure 2 of reference 3. An incorrect version was inadvertently transmitted to NRC. Please note that commitment 2 has been revised.

I apologize for any inconvenience these errors may have caused. I assure you that I have taken measures to prevent a recurrence of these types of problems. All future letters to NRC will receive an independent check for page integrity before submittal.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

J. A. Domer
R. Gridley, Director
Nuclear Safety and Licensing

Enclosures
cc: See page 2

A001
1/1

U.S. Nuclear Regulatory Commission

FEB 03 1987

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. J. J. Holonich
Sequoyah Project Manager
U.S. Nuclear Regulatory Commission
7920 Norfolk Avenue
Bethesda, Maryland 20814

Mr. G. G. Zech, Director
TVA Projects
U.S. Nuclear Regulatory Commission
Region II
101 Marietta Street, NW, Suite 2900
Atlanta, Georgia 30323

Sequoyah Resident Inspector
Sequoyah Nuclear Plant
P.O. Box 2000
Soddy Daisy, Tennessee 37319

ENCLOSURE 1

Equipment	Identification Number	Critical Component	Discussion
Junction Boxes	1-JBOX-991-1987-B	None	
	1-JBOX-991-1988-A		
	2-JBOX-991-1998-A		
	1-JBOX-991-1985-A		
	1-JBOX-991-3067-B		
	1-JBOX-991-3114-A		
	1-JBOX-991-3116-B		
	2-JBOX-991-1986-A		
	2-JBOX-991-3070-B		
	2-JBOX-991-3115-A		
	2-JBOX-991-3117-B		
	1-JBOX-991-2041-B	None	
	1-JBOX-991-2042-A		
	1-JBOX-991-2857-B		
	1-JBOX-991-2858-A		
	2-JBOX-991-2890-B		
	2-JBOX-991-2891-A		
	2-JBOX-991-2892-B		
	2-JBOX-991-2893-A		
	1-JBOX-991-3041-A		
	1-JBOX-991-3042-A		
	1-JBOX-991-3061-A		
	1-JBOX-991-3065-B		
	1-JBOX-991-3066-B		
	2-JBOX-991-3062-A		
	2-JBOX-991-3063-A		
	2-JBOX-991-3064-A		
	2-JBOX-991-3068-B		
	2-JBOX-991-3069-B		
	2-JBOX-991-1997-B		

ASCO SOLENOID VALVE EQ TEST CHAMBER TEMPERATURE

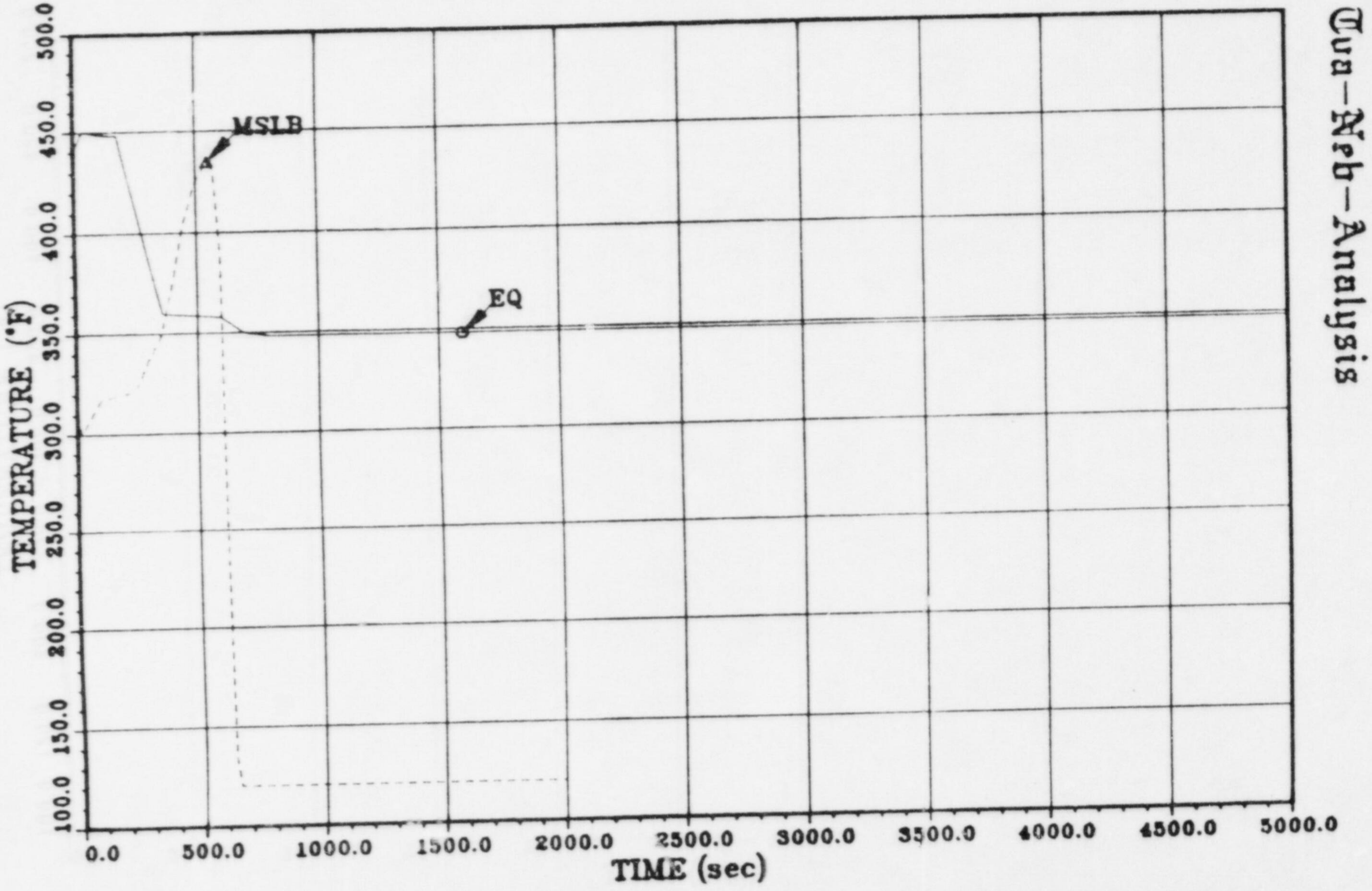

FIGURE 7

ENCLOSURE 2

SQN - SCRs & PIRs FOR ELECTRIC POWER SYSTEM CALCULATIONS

SCR
SQNEEB8607 - PROBLEM: DEFICIENCIES EXIST WITH RESPECT TO INDIVIDUAL COMPONENTS' VOLTAGE IN THE CLASS 1E AUXILIARY PWR SYS.
CORRECTIVE ACTION: INSTALLATION OF EIGHT NEW CABLES AND EIGHT NEW 80 PERCENT VOLTAGE SOLENOID VALVES.

SCR
SQNEEB8532 - PROBLEM: DEFICIENCIES EXIST WITH RESPECT TO INDIVIDUAL COMPONENTS' VOLTAGE IN THE 120VAC VITAL INSTR PWR SYS.
CORRECTIVE ACTION: PULLING LARGER SIZE CABLE TO REDUCE CABLE IMPEDANCE AND PARALLELING SUPPLY CABLES TO REDUCE CURRENT THROUGH VARIOUS PORTIONS OF THE AFFECTED CIRCUITS.

SCR
SQNEEB8605 - PROBLEM: INADEQUATE MINIMUM DC INPUT VOLTAGE FOR THE UNIT 1 INVERTERS AND 26 MISC SOLENOID VALVES AT MINIMUM BATTERY TERMINAL VOLTAGE.
CORRECTIVE ACTION: RECERTIFICATION TESTING OF INVERTERS DETERMINED THAT INVERTERS WILL OPERATE PROPERLY WITH AVAILABLE VOLTAGE. TWENTY-FOUR SOLENOIDS WERE RECATEGORIZED AS NON-REQUIRED AT MINIMUM BATTERY VOLTAGE. THE REMAINING TWO SOLENOIDS WERE CERTIFIED OPERABLE BY THE VENDOR WITH AVAILABLE VOLTAGE. NO PHYSICAL MODIFICATIONS WERE REQUIRED.

SCR
SQNEEB8629 - PROBLEM: DIESEL GENERATOR OVERLOAD DURING BLACKOUT CONCURRENT WITH PHASE B CONTAINMENT ISOLATION DUE TO RANDOM LOAD BLOCK ADDITION AT T = 30 SECONDS.
CORRECTIVE ACTION: ADDITION OF TIME DELAY RELAYS TO ENSURE THAT RANDOM LOADING DOES NOT OCCUR SIMULTANEOUSLY AT T = 30 SECONDS.

ENCLOSURE 3

Enclosure 2

List of Commitments Made in Enclosure 1

Tennessee Valley Authority - Division of Nuclear Engineering

Design Calculation Efforts

1. Complete essential calculations efforts for Sequoyah Nuclear Plant, Unit 2 by January 31, 1987, and/or schedule efforts in accordance with restart requirements.

2. The MEB calculations review effort for Sequoyah unit 2 will be completed before restart.

3. Identify and revise or regenerate, as necessary, CEB essential calculations before restart of Sequoyah Nuclear Plant, unit 2.

4. The NEB calculations review effort for Sequoyah unit 2 will be completed before restart.

5. The technical audit performed by Engineering Assurance will be completed by January 31, 1987.