



Tennessee Valley Authority, Post Office Box 1940, Nashville, Tennessee 37201

Jack L. Wilson  
Vice President, Sequoyah Nuclear Plant

June 15, 1992

U.S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, D.C. 20555

Gentlemen:

In the Matter of )  
Tennessee Valley Authority ) Docket No. 50-328

SEQUOYAH NUCLEAR PLANT (SQN) - NRC BULLETIN 88-10, NONCONFORMING  
MOLDED-CASE CIRCUIT BREAKERS

- References:
1. TVA letter to NRC dated January 14, 1992
  2. TVA letter to NRC dated December 11, 1990
  3. TVA letter to NRC dated June 27, 1990
  4. TVA letter to NRC dated March 20, 1990

In response to Reporting Requirement 2 of the subject bulletin, the enclosure of this submittal provides a list of the molded-case circuit breakers replaced during the Unit 2 Cycle 5 refueling outage. As allowed by Action 5 of the bulletin, TVA has opted to replace untraceable breakers in lieu of testing, in accordance with Action 7 of Bulletin 88-10. The replacement breakers meet the criteria of Action 7 of the bulletin and fulfill the requirement, when combined with the previously replaced breakers listed in References 1, 2, and 3, to replace all of the untraceable circuit breakers before start-up from the second refueling outage beginning after March 1, 1989, for Unit 2.

Please note that Package No. 50.03, which previously supplied Auxiliary Feedwater Pump A Pressure Control 2-PIC-3-122A, as indicated in Reference 4, has been converted to Reactor Vessel Head Vent Throttle Valve Controllers HIC-68-397 and FM-68-397B through the modification process. The end device for this package has been revised accordingly in the enclosure.

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U.S. Nuclear Regulatory Commission

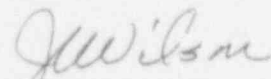
Page 2

June 15, 1992

Replacement of the breakers shown in the enclosure, along with the breakers reported in References 1, 2, and 3, completes the required activities for SQN compliance with NRC Bulletin 88-10.

No commitments are contained in this submittal. Please direct questions concerning this issue to K. C. Weller at (615) 83-7527.

Sincerely,

  
J. L. Wilson

Enclosure

cc (Enclosure):

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ENCLOSURE

UNTRACABLE MOLDED-CASE CIRCUIT BREAKERS  
REPLACED DURING THE UNIT 2 CYCLE 5 REFUELING OUTAGE

SEQUOYAH NUCLEAR PLANT  
NRCB 88-10 REPLACED MOLDED-CASE CIRCUIT BREAKERS  
ENCLOSURE

PKG NO.	BOARD AND COMPARTMENT	AFFECTED END DEVICE	MANUFACTURER	MFR PART NO.	BKR RAT ING
6.30	480V ERCW MCC-2A SHUNT TRIP BKR ON 6.9KV SD LOGIC PNL 2A	2-PNLB-202-SC-A, LOAD SHEDDING BKR FOR 480V ERCW MCC 2A-A	WESTINGHOUSE	KB3 200	200
12.10	480V ERCW MCC 2A-A, COMPT 4FL	ERCW PUMPING STATION UNIT HEATER J	WESTINGHOUSE	FB 3020	20
14.20	120VAC VITAL INSTRUMENT POWER BOARD 2-II, BKR 13	INCORE TEMPERATURE MONITORING SYSTEM	HEINEMANN	CF2-243-1	15
14.30	120VAC VITAL INSTRUMENT POWER BOARD 2-I, BKR 13	INCORE TEMPERATURE MONITORING SYSTEM	HEINEMANN	CF2-243-1	15
25.20	125VDC VITAL BATTERY BOARD II PNL 0, BKR 001	125VDC BATTERY BD II OR V PERFORMANCE TEST TERMINALS	WESTINGHOUSE	HLA 2600	600
25.40	125VDC VITAL BATTERY BOARD IV PNL 0, BKR 001	125VDC BATTERY BD IV OR V PERFORMANCE TEST TERMINALS	WESTINGHOUSE	HLA 2600	600
26.11	125VDC VITAL BATTERY BOARD IV PNL-3, BKR-328	UNIT-2 ANNUNCIATOR PNL 2-L-237	WESTINGHOUSE	HKA 2100	100
31.10	480V REACTOR VENT BOARD 2A-A COMPT 6D	REACTOR LOWER COMPARTMENT HEATER 2A	GENERAL ELECTRIC	TED 136020WL	20
34.10	480V REACTOR VENT BOARD 2A-A COMPT 11E2	AUXILIARY AND CONTROL BLDG 480V RECEPTACLES	GENERAL ELECTRIC	TRED 136100WL	100
40.10	480V REACTOR VENT BOARD 2A-A COMPT 3D	CONTAINMENT PURGE EXHAUST FAN 2A	GENERAL ELECTRIC	TRED 136050WL	100
40.20	480V REACTOR VENT BOARD 2B-B COMPT 2A	CONTAINMENT PURGE EXHAUST FAN 2B	GENERAL ELECTRIC	TRED 136050WL	100
40.50	480V REACTOR VENT BOARD 2A-A COMPT 9C	CONTAINMENT PURGE SUPPLY FAN 2A	GENERAL ELECTRIC	TRED 136050WL	50
40.60	480V REACTOR VENT BOARD 2B-B COMPT 7C	CONTAINMENT PURGE AIR SUPPLY FAN 2B	GENERAL ELECTRIC	TRED 136050WL	50
67.31	480V REACTOR MOV BOARD 2B1-B COMPT 11A	SIS BIT INLET SHUTOFF VALVE 2-FCV-063-040	GENERAL ELECTRIC	TRED 136015WL	15
80.01	120VAC VITAL INSTRUMENT POWER BOARD 2-II, BKR 24	NSSS AUX RELAY PANEL 2-R-58, "C" BUS	HEINEMANN	CF2-251-1	15

SEQUOYAH NUCLEAR PLANT  
NRCB 88-10 REPLACED MOLDED-CASE CIRCUIT BREAKERS  
ENCLOSURE

PKG NO.	BOARD AND COMPARTMENT	AFFECTED END DEVICE	MANUFACTURER	MFR PART NO.	BKR RAT ING
80.02	120VAC VITAL INSTRUMENT POWER BOARD 2-I, BKR 23	SEPARATION AUX RELAY PANEL 2-R-76, "A" BUS	HEINEMANN	CF2-Z51-1	15
80.03	120VAC VITAL INSTRUMENT POWER BOARD 2-II, BKR 24	RX VESSEL HD VENT THROTTLE VALVE CONTROLLER, HIC-68-397, FM-68-397B	HEINEMANN	CF2-Z51-1	15
80.04	120VAC VITAL INSTRUMENT POWER BOARD 2-IV, BKR 25	NSSS AUX RELAY PANEL 2-R-55, "B" BUS	HEINEMANN	CF2-Z51-1	15
80.05	120VAC VITAL INSTRUMENT POWER BOARD 2-II, BKR 26	SEPARATION AUX RELAY PANEL 2-R-75, "B" BUS	HEINEMANN	CF2-Z51-1	15
80.08	480V ERCW MCC 2A-A, COMPT 4A	ERCW PUMPING STATION DUPLEX SUMP PUMP 2A-A, PUMP A	WESTINGHOUSE	MCP 0358CR	7
80.09	480V ERCW MCC 2A-A, COMPT 4B	ERCW PUMPING STATION DUPLEX SUMP PUMP 2A-A, PUMP B	WESTINGHOUSE	MCP 0358CR	7
80.11	125VDC VITAL BATTERY BOARD IV, PNL 3, BKR 317	U-2 ROD DRIVE PWR SUP SWGR BKR 2B, PNL 2-L-115B	WESTINGHOUSE	HFB 2015	15
80.15	120VAC VITAL INSTRUMENT POWER BOARD 2-II, BKR 23	SEPARATION AUX RELAY PANEL 2-R-76, "B" BUS	HEINEMANN	CF2-Z51-1	15
80.18	480V REACTOR VENT BOARD 2B-B, COMPT 1D2	INCORE FLUX DETECTOR DRIVE UNIT 2C	GENERAL ELECTRIC	THED 136020WL	20
80.19	480V C & A VENT BOARD 2A2-A, COMPT 1D1	480V BOARD ROOM 2A UNIT HTR	GENERAL ELECTRIC	THED 136020WL	20
80.21	480V ERCW MCC 2A-A, COMPT 4C	ERCW MCC 2A-A SUPPLY FAN 2A	WESTINGHOUSE	MCP 3150CR	15
80.23	125VDC VITAL BATTERY BOARD III, PNL 3, BKR 315	U2 GEN AUX PANEL ANNUNCIATOR 2-L-39	WESTINGHOUSE	HFB 2015	15
80.24	480V REACTOR VENT BOARD 2A-A, COMPT 1E	INCORE FLUX DETECTOR DRIVE UNIT 2F	GENERAL ELECTRIC	THED 136020WL	20
80.26	480V REACTOR MOV BOARD 2A2-A, COMPT 1B8	LOOP 1 DEAERATION LINE VLV 2-FCV-3-191	GENERAL ELECTRIC	TED 136020WL	20
80.27	480V DSL AUX BOARD 2E1-B, COMPT 4C1	480V POWER OUTLETS	GENERAL ELECTRIC	THED 136100WL	100

SEQUOYAH NUCLEAR PLANT  
NRCS 88-10 REPLACED MOLDED-CASE CIRCUIT BREAKERS  
ENCLOSURE

PKG NO.	BOARD AND COMPARTMENT	AFFECTED EMD DEVICE	MANUFACTURER	MFR PART NO.	BKR RAT ING
80.28	125VDC VITAL BATTERY BOARD 1, PNL 2, BKR 215	GAS WASTE DISPOSAL PANEL 0-L-2C	WESTINGHOUSE	HFB 2030	30
80.31	480V REACTOR VENT BOARD 2B-B, COMPT 7E1	CONTROL BAY SUMP PUMP 2	GENERAL ELECTRIC	THED 136020WL	20
80.32	125VDC VITAL BATTERY BOARD 1, PNL 0, BKR 001	125V BATTERY I OR V PERFORMANCE TEST TERMINALS	WESTINGHOUSE	HLA 2600	600
80.36	480V DSL AUX BOARD 2B2-B, COMPT 3A2	480V RECPT(COOLING TWR BD & AERCW PMP STATION)	GENERAL ELECTRIC	THED 136100WL	100
80.38	480V C&A VENT BOARD 2B1-B, COMPT 6C	UNIT CONTROL ANNUNCIATION SYSTEM 3 KVA XFMR	GENERAL ELECTRIC	THED 136020WL	20
80.40	480V ERCW MCC 2B-B, COMPT 4A	PEDESTAL CRANE ERCW	WESTINGHOUSE	KB 3200	200
80.42	120VAC VITAL INSTRUMENT POWER BOARD 2-II, BKR 25	NSSS AUX RELAY RACK B	HEINEMANN	CF2-Z51-1	15
80.65	480V REACTOR MOV BOARD 2R2-B, COMPT 5E	LOWER CONTAINMENT 2D COOLER SUPPLY ISOLATION VALVE 2-FCV-67-89	GENERAL ELECTRIC	THED 136015	15
80.66	480V REACTOR MOV BOARD 2A2-A, COMPT 6A	LOWER CONTAINMENT 2D COOLER SUPPLY ISOLATION VALVE 2-FCV-67-105	GENERAL ELECTRIC	THED 136015WL	15
80.67	480V REACTOR MOV BOARD 2B2-B, COMPT 9A	LOWER CONTAINMENT 2B SUPPLY ISOLATION VALVE 2-FCV-67-90	GENERAL ELECTRIC	THED 136015WL	15
80.68	480V REACTOR MOV BOARD 2A2-A, COMPT 6B	LOWER CONTAINMENT 2B COOLER SUPPLY ISOLATION VALVE 2-FCV-67-106	GENERAL ELECTRIC	THED 136015	15
80.69	480V REACTOR MOV BOARD 2A2-Z, COMPT 4E	CONTAINMENT ISOLATION VALVE 2-FCV-70-141	GENERAL ELECTRIC	THED 136015	15