

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

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NOV 08 1989

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

Gentlemen:

In the Matter of the Application of) Docket Nos. 50-390
Tennessee Valley Authority) 50-391

WATTS BAR NUCLEAR PLANT (WBN) - RESPONSE TO NRC BULLETIN 88-10 AND NRC
BULLETIN 88-10, SUPPLEMENT 1, NONCONFORMING MOLDED-CASE CIRCUIT BREAKERS (MCCB)

The purpose of this letter is to provide WBN's response to NRC Bulletin 88-10, Supplement 1, Nonconforming MCCBs, and to finalize our response to NRC Bulletin 88-10, as stated in Enclosures 3 and 4 of TVA's letter dated April 11, 1989.

WBN has identified the nontraceable MCCBs procured between August 1, 1983 and August 1, 1988, and installed in Class 1E applications. That list of breakers, their systems, contract numbers, manufacturer, model number, and traceability status are tabulated in Enclosures 1 and 2. As previously committed in the referenced letter, the installed subject breakers will be replaced prior to fuel loading for each unit in accordance with action item 5 of the original bulletin.

The enclosed lists of installed breakers supersede Enclosures 1 and 2 of TVA's letter dated August 30, 1989. These lists have been revised to reflect the system numbers of the loads the MCCBs are feeding rather than their power system designations, to add one MCCB installed in a spare compartment that could be used for a Class 1E application, and to eliminate 11 breakers because these breakers are installed in equipment purchased as a package that has not been installed in the plant. These 11 breakers are being controlled in accordance with TVA's corrective action program to prevent their use until the requirements of NRC Bulletin 88-10 have been fulfilled.

As directed by NRC Bulletin 88-10, Supplement 1, WBN has reviewed the responses of April 11, 1989 and August 30, 1989, and has verified that the responses meet the bulletin provisions as clarified by the NRC positions specified in the supplement. Records are being maintained in accordance with the supplement requirements.

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If there are any questions, please telephone T. W. Horning, WBN Licensing, at (615) 365-3381.

Very truly yours,

TENNESSEE VALLEY AUTHORITY


Manager, Nuclear Licensing
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Enclosures

cc (Enclosures):

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ENCLOSURE 1

WATTS BAR NUCLEAR PLANT
STATUS OF MOLDED-CASE CIRCUIT BREAKERS
MAINTENANCE INSTALLED

<u>System</u>	<u>Location</u>	<u>Qty</u>	<u>Contract</u>	<u>Mfg</u>	<u>Model #</u>	<u>Traceability to Manufacturer</u>
235	120V AC Vital Inverter 2-IV	1	86PLD468257	GE	TED-134060WL	No
65	Control & Aux Vent BD 1A1-A, Compt 13C	1	87PLD380238	ITE	EF3-A005	No
65	Control & Aux Vent BD 1B1-B, Compt 13C	1	87PLD380238	ITE	EF3-A005	No
63	480V AC Reactor MOV BD 1A1-A, Compt 11B	1	84PN8314288	ITE	EF3-A005	No
82	Diesel Aux BD 1A2-A, Compt 2C	1	G303426	ITE	EF3-B030	No
62	480V AC Reactor MOV BD 1B1-B, Compt 6D	1	87PLD380209	ITE	EF3-A010	No
63	480V AC Reactor MOV BD 1B1-B, Compt 9B	1	85PN5361018	ITE	EF3-B020	No
90	Control & Aux Vent BD 1B1-B, Compt 12F1	1	87NJL381818-01	ITE	EF3-B020	No
18	Diesel Aux BD 1B1-B, Compt 3D	1	84PN8314288	ITE	EF3-A005	No
13	Pyrotronic Computer Console	1	G371020	Little Fuse	8151-75	No
213	480V AC Reactor MOV BD 1A2-A, Compt 1 (Normal Feeder Breaker)	1	84PN8344344	BBC	KM3-5800D2	No
31	Control & Aux Vent BD 1A2-A, Compt 4B	1	84PN8347014	ITE	EF3-A0252	No

ENCLOSURE 2

WATTS BAR NUCLEAR PLANT
STATUS OF MOLDED-CASE CIRCUIT BREAKERS
MODIFICATION INSTALLED

<u>System</u>	<u>Location</u>	<u>Qty</u>	<u>Contract</u>	<u>Mfg</u>	<u>Model #</u>	<u>Traceability to Manufacturer</u>
74	Reactor MOV BD 2A1-A, Compt 10D	1	74C5-84646	ITE	EF3-A010	No
74	Reactor MOV BD 1A1-A, Compt 10D	1	74C5-84646	ITE	EF3-A010	No
67	Reactor MOV BD 1A2-A, Compt 12B	1	74C5-84646	ITE	EF3-A003	No
74	Reactor MOV BD 2B1-B, Compt 10D	1	74C5-84646	ITE	EF3-A010	No
63	Reactor MOV BD 2B1-B, Compt 9B	1	74C5-84646	ITE	EF3-A010	No
31	Reactor MOV BD 2B1-B, Compt 16A	1	74C5-84646	ITE	EF3-A010	No
74	Reactor MOV BD 1B1-B, Compt 10D	1	74C5-84646	ITE	EF3-A010	No
63	Reactor MOV BD 1B1-B, Compt 9B	1	74C5-84646	ITE	EF3-A010	No
31	Reactor MOV BD 1B1-B, Compt 16A	1	74C5-84646	ITE	EF3-A010	No
67	Reactor MOV BD 1B2-B, Compt 11B	1	74C5-84646	ITE	EF3-A003	No
81	Control & Aux Vent BD 2A1-A, Compt 2D	1	74C5-84646	ITE	EF3-H050	No
81	Control & Aux Vent BD 1B1-B, Compt 2D	1	74C5-84646	ITE	EF3-H050	No
81	Control & Aux Vent BD 2B1-B, Compt 2D	1	74C5-84646	ITE	EF3-H050	No
30	Diesel Aux BD 2B1-B, Compt 4D	1	74C5-84646	ITE	EF3-L050	No

ENCLOSURE 2

WATTS BAR NUCLEAR PLANT
STATUS OF MOLDED-CASE CIRCUIT BREAKERS
MODIFICATION INSTALLED

<u>System</u>	<u>Location</u>	<u>Qty</u>	<u>Contract</u>	<u>Mfg</u>	<u>Model #</u>	<u>Traceability to Manufacturer</u>
30	Diesel Aux BD 1B1-B, Compt 4D	1	74C5-84646	ITE	EF3-L050	No
30	Diesel Aux BD 2A1-A, Compt 4D	1	74C5-84646	ITE	EF3-L050	No
30	Diesel Aux BD 1A1-A, Compt 4D	1	74C5-84646	ITE	EF3-L050	No
Spare	120V AC Vital Instrument Power Bd 2-1, Breaker 35	1	84KN2-834389	HEIN- EMANN	CF2-Z105-1	No