

# ACCELERATED DISTRIBUTION DEMONSTRATION SYSTEM

## REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 8911210262    DOC. DATE: 89/11/09    NOTARIZED: NO    DOCKET #  
 FACIL: 50-000 Generic Docket    05000000  
 50-269 Oconee Nuclear Station, Unit 1, Duke Power Co.    05000269  
 50-270 Oconee Nuclear Station, Unit 2, Duke Power Co.    05000270  
 50-287 Oconee Nuclear Station, Unit 3, Duke Power Co.    05000287  
 50-369 William B. McGuire Nuclear Station, Unit 1, Duke Powe    05000369  
 50-370 William B. McGuire Nuclear Station, Unit 2, Duke Powe    05000370  
 50-413 Catawba Nuclear Station, Unit 1, Duke Power Co.    05000413  
 50-414 Catawba Nuclear Station, Unit 2, Duke Power Co.    05000414

AUTH. NAME    AUTHOR AFFILIATION  
 TUCKER, H.B.    Duke Power Co.  
 RECIP. NAME    RECIPIENT AFFILIATION  
                   Document Control Branch (Document Control Desk)

SUBJECT: Responds to NRC Bulletin 88-10 & Suppl 1 re nonconforming molded-case circuit breakers.

DISTRIBUTION CODE: IE21D    COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 4  
 TITLE: Bulletin Response 88-10 - Nonconforming Molded Case Circuit Breakers.

NOTES: LPDR 2cys AMDTS to FSAR. ASLB 1cy.    05000413  
        LPDR 2cys AMDTS to FSAR. ASLB 1cy.    05000414

	RECIPIENT		COPIES		RECIPIENT		COPIES	
	ID	CODE/NAME	LTR	ENCL	ID	CODE/NAME	LTR	ENCL
	PD2-3	LA	1	0	PD2-3	PD	1	1
	WIENS,	L	1	1	HOOD,	D	1	1
	JABBOUR,	K	1	1				
INTERNAL:	AEOD/DOA		1	1	AEOD/DSP/TPAB		1	1
	NRR DOEA/GCB	11	1	1	NRR GILL, A.S.		1	1
	NRR GUILLEN,	J	1	1	NRR POTAPOUS, U		1	1
	NRR STONE, J.C.		1	1	NRR/DEST/ADS 7E		1	1
	NRR/DEST/MEB	9H	1	1	NRR/DOEA/EAB 11		1	1
	NRR/DOEA/GCB	11	1	1	NRR/DREP/EPB 10		1	1
	NRR/PMAS/ILRB12		1	1	NUDOCS-ABSTRACT		1	1
	<u>REG FILE</u>	02	1	1	RES/DSIR/EIB		1	1
	RGN2 FILE	01	1	1				
EXTERNAL:	LPDR		3	3	NRC PDR		1	1
	NSIC		1	1				
NOTES:			3	3				

NOTE TO ALL "RIDS" RECIPIENTS:

PLEASE HELP US TO REDUCE WASTE! CONTACT THE DOCUMENT CONTROL DESK, ROOM P1-37 (EXT. 20079) TO ELIMINATE YOUR NAME FROM DISTRIBUTION LISTS FOR DOCUMENTS YOU DON'T NEED!

TOTAL NUMBER OF COPIES REQUIRED: LTR 30 ENCL 29

A01

Duke Power Company  
P.O. Box 33198  
Charlotte, N.C. 28242

H.L. B. Tucker  
Vice President  
Nuclear Production  
(704) 372-4531



**DUKE POWER**

November 9, 1989

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

Subject: **Duke Power Company**  
Oconee Nuclear Station - Docket Nos. 50-269, -270, -287  
McGuire Nuclear Station - Docket Nos. 50-369, -370  
Catawba Nuclear Station - Docket Nos. 50-413, -414

Response to NRC Bulletin 88-10 and Supplement 1 of the Bulletin:  
Nonconforming Molded-Case Circuit Breakers

Gentlemen:

By letter dated April 3, 1989 we submitted our initial response to the subject bulletin. On April 24, 1989 we submitted a revised response to correct the reported status of circuit breakers at our Catawba plant. Lastly, we submitted a letter dated July 17, 1989 advising the staff as to the disposition of circuit breakers removed from our warehouse stores as a result of the bulletin.

Subsequently, on August 3, 1989 your staff issued Supplement 1 to the bulletin. As requested by Supplement 1, we have reviewed our responses to the original bulletin and make the following additions/corrections to our previous responses.

Oconee Nuclear Station

In our response of April 24, 1989 we informed the staff of three circuit breakers installed on Unit 1 for which we had performed an operability evaluation per the bulletin. As stated in our response, these breakers will be replaced during the next Unit 1 refueling outage scheduled in 1990.

McGuire Nuclear Station

The following circuit breakers were not previously reported per the bulletin:

- One Westinghouse Model HFB3100 circuit breaker installed in system 2EMXD-3D (CRDM Fan), supplier unknown; and,
- Four Westinghouse Model HFB3090 circuit breakers in warehouse stores supplied by Bryant Supply Company.

JEH  
11

8911210262 891109  
PDR ADDCK 05000269  
9 PDC

U.S. Nuclear Regulatory Commission  
Document Control Desk  
Response to NRC Bulletin 88-10 and Supplement 1  
November 9, 1989.

The installed circuit breaker was replaced with a circuit breaker that meets the requirements of the bulletin. The other circuit breakers were removed from the safety related warehouse stores. (Reference my letter of July 17, 1989).

In our response dated April 24, 1989 we informed the staff of five circuit breakers (one on Unit 1 and four on Unit 2) that were installed as spares which were removed administratively pending the procurement of acceptable breakers. Two of these breakers have been replaced with acceptable replacements. Three circuit breakers installed as spares remain to be replaced, (one on Unit 1 and two on Unit 2). We also informed the staff of three circuit breakers installed on Unit 2 for which we performed an operability evaluation per the bulletin. These breakers have been replaced with acceptable breakers.

#### Catawba Nuclear Station

One circuit breaker that had been identified as non-traceable, and which had been successfully tested per the bulletin, was used in a corrective maintenance application. This breaker has been replaced with a circuit breaker that meets the requirements of the bulletin.

In our response dated April 24, 1989 we informed the staff of five circuit breakers that were installed for which we performed an operability evaluation per the bulletin. Of these circuit breakers, four have been replaced with circuit breakers that meet the requirements of the bulletin. One circuit breaker remains installed as a spare which has been administratively removed from service pending the procurement of a replacement. This breaker will be replaced when the replacement breaker is received.

Additionally, for Oconee, McGuire, and Catawba Nuclear Stations, we have reviewed our written responses submitted to the staff in accordance with Bulletin 88-10, to include the information presented above, and verify Duke has met the requirements of the bulletin as clarified by the supplement. We have prepared and retained documentation of our review.

With the exception of the outstanding items as stated in this letter, we have fulfilled all requirements of Bulletin 88-10 and Supplement 1 to the bulletin.

As a result of the NRC bulletin on safety related circuit breakers and the NUMARC initiative on non-safety related circuit breakers, we discovered safety related circuit breaker components and accessories in our warehouse stores at McGuire that appeared to be used or refurbished. Information regarding the McGuire findings was given to the McGuire Senior Resident Inspector and to Mr. R.P. McIntyre of the NRC NRR/RVIB.

U.S. Nuclear Regulatory Commission  
Document Control Desk  
Response to NRC Bulletin 88-10 and Supplement 1  
November 9, 1989

Subsequently, we performed a review of circuit breaker parts at Catawba Nuclear Station and also discovered suspect circuit breaker parts. No suspect parts were discovered at our Oconee Nuclear Station. The following is a listing of the parts discovered.

McGuire Nuclear Station

1. Five Westinghouse 120V Shunt Trip Coils, Model No. 2606D56G19;
2. Four Westinghouse Trip Units, Model No. HLB3200T; and,
3. Four Westinghouse Trip Units, Model No. HLA3200T.

These parts were purchased from WESCO who obtained the breakers from Molded Case Circuit Breaker Company.

Catawba Nuclear Station

1. Two Westinghouse Shunt Trip Devices, Model No. 5365C59G01;
2. Two Westinghouse Trip Units, Model No. HLB24000TM;
3. Two Westinghouse Trip Units, Model No. HLB22250TM;
4. One Westinghouse Trip Unit, Model No. HNB26000TM;
5. One Westinghouse Frame, Model No. LB2400F;
6. One Westinghouse Trip Unit, Model No. HLB2400T; and,
7. One Westinghouse Trip Unit, Model No. HLB3350T.

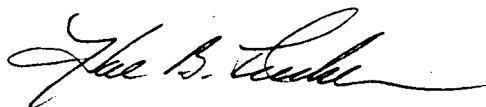
With the exception of item 1, these parts were supplied by the WESCO. The supplier of item 1 is unknown.

The parts listed above for our McGuire and Catawba plants have been removed from warehouse stores. We have established controls to ensure that future purchases of safety-related circuit breaker parts for our nuclear plants are new and traceable to the circuit breaker manufacturer.

I declare under penalty of perjury that all statements and matters set forth herein are true and correct to the best of my knowledge.

If there are any questions, please contact S.E. LeRoy at (704) 373-6233.

Very truly yours,



Hal B. Tucker

sel471

U.S. Nuclear Regulatory Commission  
Document Control Desk  
Response to NRC Bulletin 88-10 and Supplement 1  
November 9, 1989

xc: Mr. S.D. Ebnetter, Administrator  
U.S. Nuclear Regulatory Commission  
Region II  
101 Marietta St., NW, Suite 2900  
Atlanta, Ga. 30323

Mr. P.H. Skinner  
NRC Senior Resident Inspector  
Oconee Nuclear Station

Mr. P.K. Van Doorn  
NRC Senior Resident Inspector  
McGuire Nuclear Station

Mr. W.T. Orders  
NRC Senior Resident Inspector  
Catawba Nuclear Station

Mr. L.A. Wiens, Project Manager  
U.S. Nuclear Regulatory Commission  
Office of Nuclear Reactor Regulation  
Washington, D.C. 20555

Mr. D.S. Hood, Project Manager  
U.S. Nuclear Regulatory Commission  
Office of Nuclear Reactor Regulation  
Washington, D.C. 20555

Mr. K.N. Jabbour, Project Manager  
U.S. Nuclear Regulatory Commission  
Office of Nuclear Reactor Regulation  
Washington, D.C. 20555