NEWFAX 3/85 N58313

ED 7489

TRIPPING INDICATION & RESET | INADVERTENT ENERGIZATION PROTECTION | LOSS OF TRIPPING VOLTAGE

P1B

FU-4B 35A

P91B

1

2 TD4B

P101B

PB-4B RESET

SI4B

1 86-1B GIE 2

CONTINUED FROM SH.8

1 TD4B01 2 GIE

13A SEE NOTE 4

13B

14 94

15

17 94

16

50,27/59 RAGUA

14A SEE NOTE 4

14B

4 GIE1

3 TD4B01

1A 50-A 224

18A 50-A 225

5 27B4 6 (B)

TR4B

RES 200 (R) 8 86-1B GIE 7 TR1 4B

RES 200 (R) 8 86-2B GIE 7 TR2 4B

13 86-1B GIE 14

13 86-2B GIE 14

N101B

4 TD4B

N91B 3

FU-4B 35A

N1B

SCHEME NO. GX02
START-UP SYS. NO. 087/098

2

BKR 52/11		BKR 52/13	
5 (11) T2P 86-1B GIE 6 (11) T21	3 (11) 120A 86-1B GIE 4 (11) 120	9 (13) T2P 86-1B GIE 10 (13) T21	3 (13) 120A 86-2B GIE 4 (13) 120
TO TRIP COIL #2	TO CLOSE CKT	TO TRIP COIL #2	TO CLOSE CKT

CONTACTS			REFERENCE DRAWINGS 86-1B GIE (1)	86-2B GIE (2)
1	⊣⊢	2	SPARE	SPARE
3	⊣/⊢	4	E-110 SH.1 (GE SH.2)	E-110 SH.1 (GE SH.3)
5	⊣/⊢ (2) ⊣⊢ (1)	6	E-110 SH.1 (GE SH.2)	E-31B SH.14
7	⊣/⊢	8	THIS SHEET	THIS SHEET
9	⊣⊢	10	E-110 SH.1 (GE SH.3)	E-31B SH.8
11	⊣⊢	12	SPARE	SPARE

2

NOTES:

1. FOR GENERAL NOTES & LOCATION DESIGNATIONS SEE DRAWING INDEX E-31B.
2. DELETED. 2
3. FOR DETAILS OF TEST PUSHBUTTON SEE DRAWING E-30B SH. 17 FIG. 5.
4. BREAK-CONTACT IN RAGUA RELAY EARLY OPENING AND LATE CLOSING UPON INSERTION AND WITHDRAWAL, RESPECTIVELY, OF THE TEST HANDLE.
5. THREE (3) RAGUA OVERCURRENT RELAYS (50 RAGUA) ARE ENABLED TO TRIP BY TWO (2) UNDERVOLTAGE RAGUA RELAYS (27/59) RAGUA. SEE DRAWING E-20
6. FOR CONNECTION DIAGRAM OF THE RAGUA DEAD MACHINE RELAY SEE WOLFE & MANN DRAWING E-2948E, SH.4F (F.P. 7749-E-21-26-3)
7. FOR SCHEMATIC DIAGRAM OF THE RAGUA DEAD MACHINE RELAY SEE 7749-E-21-32.

NO.	DATE	REVISIONS
2	7/1/00	INC. DCN E-31B-164 PER DDR 00-1574
1	9-20-89	"AS BUILT" FOR DCR 89-0041 INC. DCN E-31B-62.
0	6/9/88	ISSUED FOR IMPLEMENTATION FOR MOD. 87-1318

BY	CH'K	ENGR.	ENGR. SUPV.	GEN. SUPV.
SBW	JB	"INITIALS ON FILE"	"INITIALS ON FILE"	—

SCALE NONE | DESIGNED JB | DRAWN D.KUNTZ | DATE 03-17-88

DAVIS-BESSE NUCLEAR POWER STATION
UNIT NO. 1
THE TOLEDO EDISON COMPANY

GENERATOR INADVERTENT ENERGIZATION (GIE) PROTECTION

DRAWING NO.	REV.
E-31B SH.9A	2

DB 07-07-00 DFN= F:/SCHEME/E31BS9A.DGN

I CERTIFY THAT THE IMAGE CONTAINED ON THIS FRAME WAS MADE IN THE NORMAL AND REGULAR COURSE OF BUSINESS, ON THE DATE STATED BELOW AND THAT IT IS AN ACCURATE REPRODUCTION OF THE RECORD(S) SUBMITTED TO NUCLEAR RECORDS MANAGEMENT- DAVIS-BESSE N.P.S.
DATE 7.1.00 OPERATOR: Dorothy Wiedle
16X