NOTES:
1. SEE DRAWINGS 2GW0900-IG-1 THROUGH -5 FOR EXPLANATION OF SYMBOLS.
2. DIAGRAM IS SHOWN FOR UNIT 1 TRAIN A. UNIT 2 IS TYPICAL, UNLESS OTHERWISE NOTED. UNIT 2 UNID No. SHOWN IN ( ).
3. THE FOLLOWING TABLE CONTAINS THE DIESEL GEN ANNUNCIATION POINTS TO BE MONITORED, AND THE ANNUNCIATION SYSTEMS TO WHICH THESE POINTS INPUT. ALL D.G. ANN. POINTS LISTED BELOW ARE ISOLATED THROUGH 1IX-ISOL-158-A BEFORE BEING INPUT INTO MONITORING SYSTEMS.

	DESCRIPTION	IM-9	SEAMS	U1 OR	U2 OR
1	UNIT NOT AVAILABLE FOR EMER OPER	9101	M1326		
2	DC CONT PWR LOSS	9102		419	468
3	AC CONT PWR LOSS	9134			
4	FUEL OIL PMPS CONT SWS NOT IN AUTO	9104			
5	DIESEL IN MAINTENANCE	9105	M1325	432	478
6	DIESEL IN TEST	9115	M1221		
7	FAST STOP	9106		423	469
8	DIESEL IN EMERGENCY OPERATION	9107		416	462
9	TEST MODE PROTECTIVE TRIPS BYPASSED	9109			
10	GENERATOR DIFFERENTIAL	9110		421	467
11	4.8KV SWGR SUB FAILURE	9111			
12	ENGINE OVERSPEED	9112		424	470
13	DIESEL GEN SUBSEQUENT UNDERVOLTAGE	9113		434	482
14	DIESEL STARTING	9116		434	480
15	DIESEL TRIPPED	9117		435	481
16	UNIT FAILED TO START	9118		417	463
17	LOSS OF OVERSPEED PROTECTION	9119		420	466
18	LUBE OIL TEMP HIGH	9120		426	472
19	LUBE OIL PRESS LOW	9121		425	471
20	CRANKCASE PRESS HIGH	9122		429	475
21	NITRATION HIGH	9123		428	474
22	GENERATOR FAULT	9124		430	476
23	JACKET WATER OUTLET TEMP HIGH	9125		428	474
24	JACKET WATER PRESS LOW	9126		433	479
25	BEARING TEMP HIGH	9127		431	477
26	TURBOCHARGER OIL PRESS LOW	9128		427	473
27	GEN STATOR TEMP HIGH	9129		418	464
28	GEN OVERCURRENT	9130		415	461
29	GROUND FAULT	9131		414	460
30	STARTING AIR PRESS LOW	9103			
31	VOLTAGE REGULATOR SYS TROUBLE	9132			
32	ENGINE TROUBLE	9133			
33	GEN PROTECTIVE RELAYS VOLT TROUBLE	9156			

4. FOR OPERATION OF DIESEL CONTROLS SEE TVA CONTRACT 76K61-86181.
5. FOR DIESEL GENERATOR SYNCROSCOPE AND OTHER IM-9 DIESEL GENERATOR METERS SEE 2AW0900-EG-04 ZONE F-5

REFERENCE DRAWINGS:
CID 2GB0910-RT-

APERTURE CARD
Docket # 50-438
Control # 8202090064
Date 8202 02 of Document
REGULATORY DOCKET FILE

REV NO.	ECN NO.	DATE	DSGN	DRWN	CHKD	SUPV	ENGR	INSP	SUBM	RCM	APPD
2	S1	4-30-81	MW	RB	RB	MWE	LTP		LT	JRP	WE	
MINOR CHANGE											
1	S1, 481	1-3-80	RMP	RB	RB	MWE	LTP		RB	JRP		
REDRAWN											

DSGN L.W. PORTER
DRWN P.L. BEAM
CHKD J.R. VOLLEY
SUPV W.H. GANDY
INSP
ENGINEER L.T. PERRY

SCALE: NTS EXCEPT AS NOTED

POWERHOUSE
UNITS 1&2

FUNCTIONAL CONT LOGIC DIAG STANDBY DIESEL GENERATOR CONTROLS SYSTEM

BELLEFONTE NUCLEAR PLANT
TENNESSEE VALLEY AUTHORITY
DIVISION OF ENGINEERING DESIGN
Q

SUBMITTED	RECOMMENDED	APPROVED
I.E. GRANT	R.W. CANTRELL	F.W. CHANDLER

KNOXVILLE 4-5-76 | 88 E | 2GW0900-RT-1 R2
RECORD DRAWING AS CONSTRUCTED

INSPECTED AND APPROVED FOR ISSUE
R.M. HODGES

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PRINTS REQD-R

PEI P33