ACR PANEL 1IX-1A-010-A REF 5AW1651-JA-02

IRT-III-001D-A DG AMPS

IRT-IEI-001D-A DG VOLTS

LOCATED ON ACR PNL 1IX-1A-010-A

IHIS-001C-A 5N3-9A

STOP START L A N K F

LOCATED ON MCR PNL 1IX-IM-001

IHIS-001J-A 5N3-39A

EMER START N K F

LOCATED ON MCR PNL 1IX-IM-013

IRT-III-001E-A

AUTO MANUAL START STOP

U1 ESFAS START PWR

FOR CKT DETAILS SEE SGW1640-1E-03

SSCS LOGIC CAB. 1IX-1R-014-A

ECA2-79-A (SEE NOTE 2)

ECA2-80-A (SEE NOTE 2)

ACS J21 MCR J21 28V DC COM

SEE 2GW0900-RT-1

SSCS TERM. CAB. 1IX-1R-013-A

(SEE 5GW1740-RT-05 FOR SSCS CAB. TO CAB. WIRING)

DG 001-A EMER START DG 001-A EMER STOP

EMER START Z1 Z3 Z2 EMER STOP Z5 EMER START

ENT A ENT B ENT C ENT D

TO START CKT A TO START CKT B TO STOP CKT

125V DC

DG 001-A ENG CONT CAB. 100-ELCP-1-A

REF DELAVAL DWGS 09-500-75080 SH 3,4,6

ECA3-87-A

ECA2-84-A (SEE NOTE 2 SH 1)

R31-1 R23-2

TO STOP CKT

SEE SGW1740-RT-08

FOR CKT DETAILS SEE SGW2640-1E-03

LOCATED ON MCR PNL 2IX-IM-013

IRT-IZI-001F-A

AUTO MANUAL START STOP

ACR PNL 1IX-1A-013-B REF 5AW1651-JA-05

IRT-III-002D-B DG AMPS

IRT-IEI-002D-B DG VOLTS

ECA2-101-B

ECA2-102-B

1EG-EAT-173B-B -1 (0-3ma)

1EG-EVT-173-B (0-3ma) -1

6.9KV SWGR 1ET1-B PNLS N AND P 1EG-ENVS-07N-B 1EG-ENVS-07P-B,

(5GW1740-EG-9 & 13)

ECA2-109-B

ECA2-110-B

BOP ISOLATORS 1IX-1SOL-156-B

TP7 TP8 TRI6 TRI5 0-3mA

I

MON 10012 MON 10011

FOR CKT DETAILS SEE SGW0640-1S-01

LOCATED ON ACR PNL 1IX-1A-013-B

IHIS-002C-B 5N3-9A

STOP START L A N K F

LOCATED ON MCR PNL 1IX-IM-001

IHIS-002J-B 5N3-39A

EMER START N K F

LOCATED ON MCR PNL 1IX-IM-013

IRT-IZI-002E-B

AUTO MANUAL START STOP

U1 ESFAS START PWR

FOR CKT DETAILS SEE SGW1640-1E-04

SSCS LOGIC CAB. 1IX-1S-006-B

ECA2-103-B (SEE NOTE 2)

ECA2-104-B (SEE NOTE 2)

ACS J15 MCR J15 28V DC COM

SEE 2GW0900-RT-2

SSCS TERM. CAB. 1IX-1S-005-B

(SEE 5GW1740-RT-05 FOR SSCS CAB. TO CAB. WIRING)

DG 002-B EMER START DG 002-B EMER STOP

EMER START Z1 Z3 Z2 EMER STOP Z5 EMER START

ENT A ENT B ENT C ENT D

TO START CKT A TO START CKT B TO STOP CKT

125V DC

DG 002-B ENG CONT CAB. 100-ELCP-2-B

REF DELAVAL DWGS 09-500-75080 SH 3,4,6

ECA3-89-B

ECA2-108-B (SEE NOTE 2)

ECA3-90-B

R31-1 R23-2

TO STOP CKT

SEE SGW1740-RT-12

FOR CKT DETAILS SEE SGW2640-1E-04

LOCATED ON MCR PNL 2IX-IM-013

IRT-IZI-002F-B

AUTO MANUAL START STOP

U2 ESFAS START PWR

DG 002-B GEN CONT CAB. ELCP-2-B

REF DELTA SWITCHBOARD DWG D54200 SH 1-4

86HR

1EG-EAT-163B-A -1 (0-3ma)

1EG-EVT-163-A (0-3ma) -1

6.9KV SWGR 1ET1-A PNLS N AND P 1EG-ENVS-06N-A, 1EG-ENVS-06P-A

(5GW1740-EG-5 & 11)

ECA2-85-A

ECA2-86-A

BOP ISOLATORS 1IX-1SOL-157-A

TP7 TP8 TRI6 TRI5 0-3mA

I

MON 10032 MON 10031

FOR CKT DETAILS SEE SGW0640-1S-01

DG 001-A GEN CONT CAB. ELCP-1-A

REF DELTA SWITCHBOARD DWG D54200 SH 1-4

86HR

48 VDC OPERATIONS RECORDER 00D-EEQC-64 9CW7364-0A-02

OR 436 OR 423

00A-ECA2-2031 00A-ECA2-2032

ENT D

2GW0900-RT-1 SSCS TERMINATION CAB. 1IX-1R-013-A

Y10 SUBSEQUENT UV DG 001-A EMER STOP

Y11 DG 001-A EMER STOP

Y9 SUBSEQUENT UV

AN 9106 AN 9113

FOR CKT DETAILS SEE SGW1640-1A-01

48 VDC OPERATIONS RECORDER 00D-EEQC-64 9CW7364-0A-02

OR 459 OR 448

00A-ECA2-2033 00A-ECA2-2034

ENT D

2GW0900-RT-1 SSCS TERMINATION CAB. 1IX-1S-005-B

Y10 SUBSEQUENT UV DG 002-B EMER STOP

Y11 DG 002-B EMER STOP

Y9 SUBSEQUENT UV

AN 9206 AN 9213

FOR CKT DETAILS SEE SGW1640-1A-01

NOTES:
1. FOR GENERAL NOTES AND SYMBOLS SEE 5GW1740-RT-01.

DG 001-A & 002-B EMERGENCY CONTROL CIRCUITS, METERING, AND ANNUNCIATION

APERTURE CARD

Docket #50-438
Control #8202080064
Date 820202 of Document
REGULATORY DOCKET FILE

REV NO	ECN NO.	DATE	DSGN	DRWN	CHKD	SUPV	ENGR	INSP	SUBS/RECH	APPD
3	S1	4-8-80								
2	721	8-13-79								
1	S1	5-8-79								

3 SI 4-8-80 MADE MINOR CHANGES, REMOVED EL & COL.

2 721 8-13-79 ADDED JUMPER J1 ON 1IX-1R-013-A.

1 S1 5-8-79 ADDED ANN. PT NO., SEAMS REF DWG NO., BOP ISOLATOR TERM. NO. AND INTERNALS, ORA TERM. NO., SSCS TERMINATION CAB. TERMINAL NO., AND OTHER MINOR CHANGES.

DSGN S. D. Swan
DRWN S. W. Smith
CHKD S. D. Swan
SUPV W. Nanney
INSP
ENGINEER W. R. Allsdorf

SCALE: NONE EXCEPT AS NOTED

GENERAL UNIT 1

SYSTEM SCHEMATIC DG CONT SYS - RT

BELLEFONTE NUCLEAR PLANT
TENNESSEE VALLEY AUTHORITY
DIVISION OF ENGINEERING DESIGN

Q

SUBMITTED	RECOMMENDED	APPROVED
W. R. Allsdorf	A. Lomazzi	A. M. Wolcasen

KNOXVILLE 10-2-78 88 E 5GW1740-RT-07 R3

RECORD DRAWING AS CONSTRUCTED

REVIEWED
RC(CIVIL) N/A
RE(ELEC) N/A
RM(MECH) N/A