GENERAL ELECTRIC 761E791TY REV 12

REACTOR RECIRCULATION SYSTEM

FLUX ESTIMATOR FAILURE

FLUX ESTIMATOR NEEDS MAINTENANCE

MASTER MANUAL / AUTO STATION: B35-K601 (SEE REF 5) — OUTPUT METER — LOAD DEMAND ERROR B35-R615 (+) (-)

FLUX MANUAL / AUTO STATION B35-K602 (SEE REF 5) — OUTPUT METER — FLUX ERROR B35-R616 (+) (-)

H13-P602

B35-K601-1 — 76 — 77 — 100 101 — K623

B35-K602-1 — 78 — 79 — 104 105 — K604

9 MASTER CONTROLLER B35-K644 (SEE REF 5)

9 FLUX CONTROLLER B35-K643 (SEE REF 5)

4 RACK 1 H13-P634

K624 84 85 — V16 — V17

K629 92 93 94 95 — K01 K02 K03 — 80

AT TURBINE ONLY

LOAD DEMAND ERROR SIGNAL FROM TURBINE PRESSURE REGULATOR (REF 13)

INTERLOCK TO MAIN TURBINE PRESSURE REGULATOR (CLOSURE IN "MASTER AUTO")

(+)(-) 86 87 — K04 K05 — 81

T842 37 38

NEUTRON MONITORING SYSTEM APRM SIGNAL (REF 3)

H13-P608

LOCAL

This is incorrect Ref. Please verify & add correct Ref.

Add cable shield.

delete penetration as racks are outside primary containment

S123 5 6 — S123 1 2 — S122 7 8 — S122 2 1 REF

N — CKT 120 VAC FIG 25 SH. 4 # 2RCS110.

L

H13-P502

257

A B C D E F G H J

Add device & terminal numbers.

FLUX ESTIMATOR

RACK 2 H13-P634

ALARM RESET — BYPASS

LOOP "A" MANUAL / AUTO STATION B35-K603A (SEE REF 5) — OUTPUT METER — FLOW ERROR B35-K617A — M/A ERROR B35-K618A — LIMITER ERROR B35-K619A — SERVO ERROR B35-R620A — VALVE POSITION B35-R621A

H13-P602

82 — B35-K603A-1 — 83

K635A K636A K638A K690A K691A K673A

9 B35-K648A CONTROLLER LOOP "A" FLOW (SEE REF 5)

9 POSITION FEEDBACK AMPLIFIER B35-K674A-1 — 2 3 1 4

9 VELOCITY FEEDBACK AMPLIFIER B35-K680A-1 — 2 3

5 RACK 1 H13-P634

V18 V19 84 — V20 214 — V21 215 — V22 — V23 — V24 — V25 85

(+)(-)(+)(-) — A/S B35-N011A — LOOP "A" FLOW H22-P009

POSITION FEEDBACK SIGNAL (RVDT) — VELOCITY FEEDBACK SIGNAL (LVT) — A B C D

10

VALVE FORCE HYDRAULIC ACTUATOR - REF 7

LOCAL

LOOP "B" MANUAL / AUTO STATION B35-K603B (SEE REF 5) — OUTPUT METER — FLOW ERROR B35-R617B — M/A ERROR B35-R618B — LIMITER ERROR B35-R619B — SERVO ERROR B35-R620B — VALVE POSITION B35-R621B

H13-P602

86 — B35-K603B-1 — 87

K636B K638B K690B K691B K673B

9 B35-K648B CONTROLLER LOOP "B" FLOW (SEE REF 5)

K635B

9 POSITION FEEDBACK AMPLIFIER B35-K674B-1 — 2 3 1 4

9 VELOCITY FEEDBACK AMPLIFIER B35-K680B-1 — 2 3

5 RACK 2 H13-P634

V16 V17 88 — V18 V19 216 — V20 217 — V21 — V22 — V23 83

(+)(-)(+)(-) — A/S B35-N011B — LOOP "B" FLOW H22-P025

POSITION FEEDBACK SIGNAL (RVDT) — VELOCITY FEEDBACK SIGNAL (LVT) — A B C D

10

VALVE FORCE HYDRAULIC ACTUATOR - REF 7

LOCAL

LINE CODES: 76-89, 214-217, 257

NOTED MAY 0 1 1981 G.E. Boghosian

PRC APERTURE CARD

D

STONE & WEBSTER ENGINEERING CORPORATION
NINE MILE POINT NUCLEAR STATION - UNIT 2
NIAGARA MOHAWK POWER CORPORATION
J. O. 12177

MANUFACTURER'S DRAWING DATA FORM

NAME: RESP. ENG. S. MEHTA (E1); RESP. DES. ENG. C. LANE (E1)

✓ INSTRUCTIONS TO SUPPLIER (E2)
✓ Comments as noted
APPROVED — AS DEFINED IN SPECIFICATION
APPROVED AS REVISED
RELEASED FOR FABRICATION
RELEASED FOR MATERIAL PURCHASE
SUPPLIER TO RESUBMIT — QNTY — REVISED PRINTS; REVISED MICROFILM APERTURE CARDS; FOR REVIEW; FOR RECORD; NONE REQUIRED
NOTES:

✓ INSTRUCTIONS TO DESIGN (E1)
I-O INFORMATION ONLY
P-L PRELIMINARY LAYOUT
P-S PRODUCTION STUDIES
✓ R&C REVIEW AND COMMENT
F-D FINAL DETAILS
NEW NEW
✓ REV. REVISED

DATE TO DESIGN (C) 3/3/87 — REQUIRED RETURN DATE (E1) 3/24/81

(E1) ✓ FOR INFORMATION ONLY — RETURN TO SUPPLIER NOT REQUIRED

DESIGN ENGINEER'S DATE STAMP (D) IN: NOTED MAR 3 1981 C. A. LANE

INSTRUCTIONS TO DESIGN (CIRCLE (E1)): I-O | P-L | P-S | R&C | F-D | NEW | REV.

DESIGN ENGINEER'S DATE STAMP (D) OUT: NOTED MAR 11 1981 C. A. LANE

INITIALS OF SELECTED REVIEWERS: GKK's, MG, JD, EJH, SM

RESPONSIBLE ENGINEER'S DATE STAMP (E2): NOTED APR 30 1981 C. A. LANE

DESIGN GROUP ROUTING (D)

ROUTE ✓		REQUIRED PRINT	REQUIRED MAC	R/W *
	ARCHITECTURE			
	CIVIL			
	CONCRETE			
	STEEL			
	BUILDING SERVICE			
	INSTRUMENT			
	MECHANICAL			
	PIPE SUPPORT			
	STRESS			
	MACHINE DESIGN/VESSEL			
	ELECTRICAL NOTED MAR 3 1981 C. A. LANE	✓	✓	
	LIGHTING			
	MODEL SHOP			
	EXTENSION OFFICE			
	CONTROL			

3 SUPERSEDES S&W FILE NO. (E1) (25-34) (35-38): 0100127130011012D1B
REMARKS (C) (LIMIT TO 22 CHARACTERS & BLANKS) (53-74): T-1076

2 S&W EQUIP. I.D. CODE (E1) (25-34): 2RCS — AREA DESIGNATION CODES (E1) (75-80): 01
MFR'S. DWG. NO. (C) (LIMIT TO 24 CHARACTERS & BLANKS) (37-60): 761E791TY, Sh. 12, Rev 2
MFR'S. NAME (C) (LIMIT TO 20 CHARACTERS & BLANKS) (61-80): GENERAL ELECTRIC

1 DATE RECD (C): MONTH 03 DAY 25 (19)81 (27-30) — DWG TYPE (E1): C (31) — MAX DAYS IN DESIGN (E1): 21 (32-33)
FUNCTIONAL TITLE (E1) (LIMIT TO 44 CHARACTERS & BLANKS) (37-80): REACTOR RECIRC SYS ED

DUP S&W FILE NO. (E1) (11-20) (21-46): 0100127130011012D1C
JOB ORDER NO. 12177 00 (47-50)

(C) PROJECT CLERK
(D) RESP. DESIGN ENGINEER
(E1) RESP. ENGINEER - ON DWG RECEIPT
(E2) RESP. ENGINEER - AFTER DWG REVIEW
MAC - MICROFILM APERTURE CARD
* R/W - REVIEWER INITIALS

(M) ATTACH TO MFR'S. DRAWING

761E791TY SAN JOSE

C1