STEAM LINE ISOLATION LOOP A

D.C. FAILURE

STEAM LINE ISOLATION LOOP B

SAFETY INJECTION SEQUENCE

CONTINUED FROM SHEET-3

125V DC SOURCE #1

FC 464A X1 | FC 465A X1 | FC 464B X1 | FC 465B X1 | PC 946A X1 | PC 948A X1

TC 401A X1 | TC 403A X1 | TC 401A X1 | TC 402A X1

TC 402A X1 | TC 404A X1 | TC 403A X1 | TC 404A X1

PC 948A X1 | PC 950A X1 | PC 950A X1

PC 946A X1T

PC 948A X1T

PC 950A X1T

CB MANUAL PB/MMS-1 5A

1 SI 5 10X

3 M 2 714 1 C1 MS 1 C2 BFD 66S

2 M 3 1 715

C1 74 X1 C2 BFD 66S

2 M 3 1 752

FC 474A X1 | FC 475A X1 | FC 474B X1 | FC 475B X1 | PC 946A X1 | PC 948A X1

TC 401A X1 | TC 403A X1 | TC 401A X1 | TC 402A X1

TC 402A X1 | TC 404A X1 | TC 403A X1 | TC 404A X1

PC 948A X1 | PC 950A X1 | PC 950A X1

PC 946A X1T

PC 948A X1T

PC 950A X1T

CB MANUAL PB/MMS-2 5A

4 SI 8 10X

3 M 2 718 1 C1 MS 3 C2 BFD 66S

2 M 3 1 719

20 SI 24 10X 6 SI 2 10X

GV 1

10 16 27X5 14 SWGR SH.52 *

27BX5 14 RELAY ROOM SH.56 *

3 27X3 18 SWGR SH.55 *

27BX3 18 RELAY ROOM SH.58 *

GV 2

*INDICATE DWG. 10905-425

TRAIN B

5 6V 11 2-SIPIC1 (IN ST.) 2 6V

M 2 B71A AGA 2412 3 SEC.

M 2 SIPIC1 AGA 2412 5SEC

M 2 RHRP1A AGA 2412 10 SEC.

M 2 SWP1A AGA 2412 13 SEC

M 2 CF1A AGA 2412 20 SEC.

M 2 CF1D AGA 2412 25SEC

M 2 MAFP1A AGA 2412 30 SEC

M 2 SPARE AGA 2412

C1 SIS C2 P1A BFD 66S

M 2 SF1 AGA 2412 60SEC

CONTINUED ON SHEET 5

NOTE:
ALL DEV. 2 IS TIME DELAY PICK-UP

CONTINUED FROM SHEET-3

125V DC SOURCE #2

FC 464A X2 | FC 465A X2 | FC 464B X2 | FC 465B X2 | PC 946A X2 | PC 948A X2

TC 401A X2 | TC 403A X2 | TC 401A X2 | TC 402A X2

TC 402A X2 | TC 404A X2 | TC 403A X2 | TC 404A X2

PC 948A X2 | PC 950A X2 | PC 950A X2

PC 946A X2T

PC 948A X2T

PC 950A X2T

CB MANUAL PB/MMS-1 5A

1 SI 5 20X

3 M 2 714 2 C1 MS 2 C2 BFD 66S

2 M 3 1 715

C1 74 X2 C2 BFD 66S

2 M 3 1 752

FC 474A X2 | FC 475A X2 | FC 474B X2 | FC 475B X2 | PC 946A X2 | PC 948A X2

TC 401A X2 | TC 403A X2 | TC 401A X2 | TC 403A X2

TC 402A X2 | TC 404A X2 | TC 403A X2 | TC 404A X2

PC 948A X2 | PC 950A X2 | PC 950A X2

PC 946A X2T

PC 948A X2T

PC 950A X2T

CB MANUAL PB/MMS-2 5A

4 SI 8 20X

3 M 2 718 1 C1 MS 4 C2 BFD 66S

2 M 3 1 719

20 SI 24 20X 6 SI 2 20X

GV 1

27X16SI

3 6 27X4 16 SWGR.

27BX4 16 RELAY ROOM SH.57 *

27X3 17 SWGR. SH.56 *

27BX3 17 RELAY ROOM SH.58 *

GV 2 SH.54 *

*INDICATES DWG. 10905-425

27X16SI

TRAIN A

5 6V 11 2-SIPIC2 (INST.) 2 6V

M 2 B71B AGA 2412 3SEC

M 2 SIPIC AGA 2412 7 SEC

M 2 RHRP1B AGA 2412 12 SEC.

M 2 SWP1B AGA 2412 17 SEC

M 2 CF1B AGA 2412 22 SEC

M 2 CF1C AGA 2412 27SEC

M 2 MAFP1B AGA 2412 32SEC

M 2 SPARE AGA 2412

C1 SIS C2 P1B BFD 66S

M 2 SF2 AGA 2412 60SEC.

CONTINUED ON SHEET 5

MS-1

1 6F 3 6F 5 6F 7 6F 9F 11 6F 13 6F 15 6F 2 6F 4 6F 6 6F 8 6F 10 LL 12 LL 14 LL 16 6F 17 18 19 20 21 22 23 24

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

20-1/MSIVIA DWG. 10905- SH. 273

20-3 MSIVIA DWG. 10905- SH.273

ANN (G18) DWG 10905- SH. 394

74-X1

1 4 17 18 19 20 2 3G 3 9 10 11 12 13 14 15 16 5 8 21 22 23 24 6 7 3G 3G

ANN (L31) DWG. 10905- SH.425

MS-3

1 6G 3 6G 5 6G 7 6G 9 6G 11 6G 13 6G 15 6G 2 6G 4 6G 6 6G 8 6G 10 6G 12 6G 14 6G 16 6G 17 18 19 20 21 22 23 24

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

20-2/MSIVIB DWG. 10905- SH. 273

20-4 MSIV 1B DWG 10905- SH.273

ANN (G23) DWG. 10905- SH. 395

2/87IA

5 6V 1 3 6 2 4 6V

42/871A DWG. 10905- SH279

2/SIPIC2

7 6V 1 6V 5 3 6 2 4 8 6V INST 12 6V

CLOSE 52/SIPIC2 DWG 10905- SH.75

2/RHRP1A

5 6V 6 2 4 10 6V

CLOSE 52/RHRP1A DWG. 10905- SH.78

2/SWP1A

1 5U 11 5U 3 2 6 12 5U

CLOSE 52/SWP1A DWG. 10905- SH.81

2/CF1A

3 5U 5 4 6 2 4

CLOSE 52/CF1A DWG. 10905- SH.94

2/MAFP1A

5 5U 9 6 3 2 4 10 6U

CLOSE 52/MAFP1A DWG 10905- SH.76

2/SPARE

7 5U 5 3 6 2 4 8 5U

2/CF1D

3 5U 9 3 6 2 4 10 5U

CLOSE 52/CF1D DWG 10905- SH.95

MS-2

1 6F 3 6F 5 6F 7 6F 9F 11 6F 13 6F 15 6F 2 6F 4 6F 6 6F 8 6F 10 LL 12 LL 14 LL 16 6F 17 18 19 20 21 22 23 24

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

20-1/MSIVIA DWG. 10905- SH. 273

20-3/MSIVIA DWG. 10905- SH.273

ANN (G18) DWG 10905- SH. 394

74-X2

1 4 17 18 19 20 2 3G 3 9 10 11 12 13 14 15 16 5 8 21 22 23 24 6 7 3G 3G

ANN (L31) DWG. 10905- SH.425

MS-4

1 6G 3 6G 5 6G 7 6G 9 6G 11 6G 13 6G 15 6G 2 6G 4 6G 6 6G 8 6G 10 6G 12 6G 14 6G 16 6G 17 18 19 20 21 22 23 24

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

20-2/MSIVIB DWG. 10905- SH. 273

20-4/MSIVIB DWG 10905- SH.273

ANN (G23) DWG. 10905- SH. 395

2/87IB

5 6V 1 3 6 2 4 6V

42/871B DWG. 10905- SH279

2/SIPIC1

7 6V 1 6V 5 3 6 2 4 8 6V INST 12 6V

CLOSE 52/SIPIC1 DWG 10905- SH.74

2/RHRP1B

5 6V 6 2 4 10 6V

CLOSE 52/RHRP1B DWG 10905- SH.78

2/SWP1BD

1 5U 11 5U 3 2 6 12 5U

CLOSE 52/SWP1B DWG 10905- SH.82

2/SWP1D DWG 10905- SH.82

2/CF1B

5 5U 3 4 6 2 4

CLOSE 52/CF1B DWG 10905- SH.95

2/MAFP1B

5 5U 9 6 3 2 4 10 5U

CLOSE 52/MAFP1B DWG 10905- SH.77

2/SPARE

7 5U 5 3 6 2 4 8 5U

2/CF1C

3 5U 9 3 6 2 4 10 5U

CLOSE 52/CF1C DWG 10905- SH.94

SIS/P1A

50 1 50 3 50 5 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36

CLOSE 52/SIP1A DWG 10905- SH.73 SH.303

2/1AB

DWG 10905- SH.303

SIS/P1B

50 1 50 3 50 5 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36

CLOSE 52/SIP1B DWG 10905- SH.73 SH.303

2CD DWG 10905- SH.303

2/SF1

SIA1 SH.3

SIM1 SH.3

2/SF2

SIA2 SH.3

SIM2 SH.3

Docket # 50-244
Control # 7804300110
Date 5/1/78
of Document
NOT MICROFILMED

THIS DRAWING SUPERSEDES WESTINGHOUSE DRAWING 1110E059 SH. 4 OF 11

NUMBER	REVISION	DRAWN BY	CHECKED	RESP. ENG.	ENG. MAN'GR.
0	ORIGINAL	MJB	RMC	GSL	DWD
	INITIAL				
	DATE	6-4-77	7/19/77	3/15/78	3/31/78

FACILITY GINNA STATION

ROCHESTER GAS & ELECTRIC CORP. ROCHESTER, NEW YORK

SCALE

SAFE GUARD SYSTEM

JOB NO.	DRAWING NO.	REV.
	33013 - 603	0