

EOP: FR-H.3	TITLE: RESPONSE TO STEAM GENERATOR HIGH LEVEL	REV: 3 PAGE 1 of 7
----------------	--	-----------------------

ROCHESTER GAS AND ELECTRIC CORPORATION

GINNA STATION

CONTROLLED COPY NUMBER 23

TECHNICAL REVIEW

PORC REVIEW DATE 6-16-93

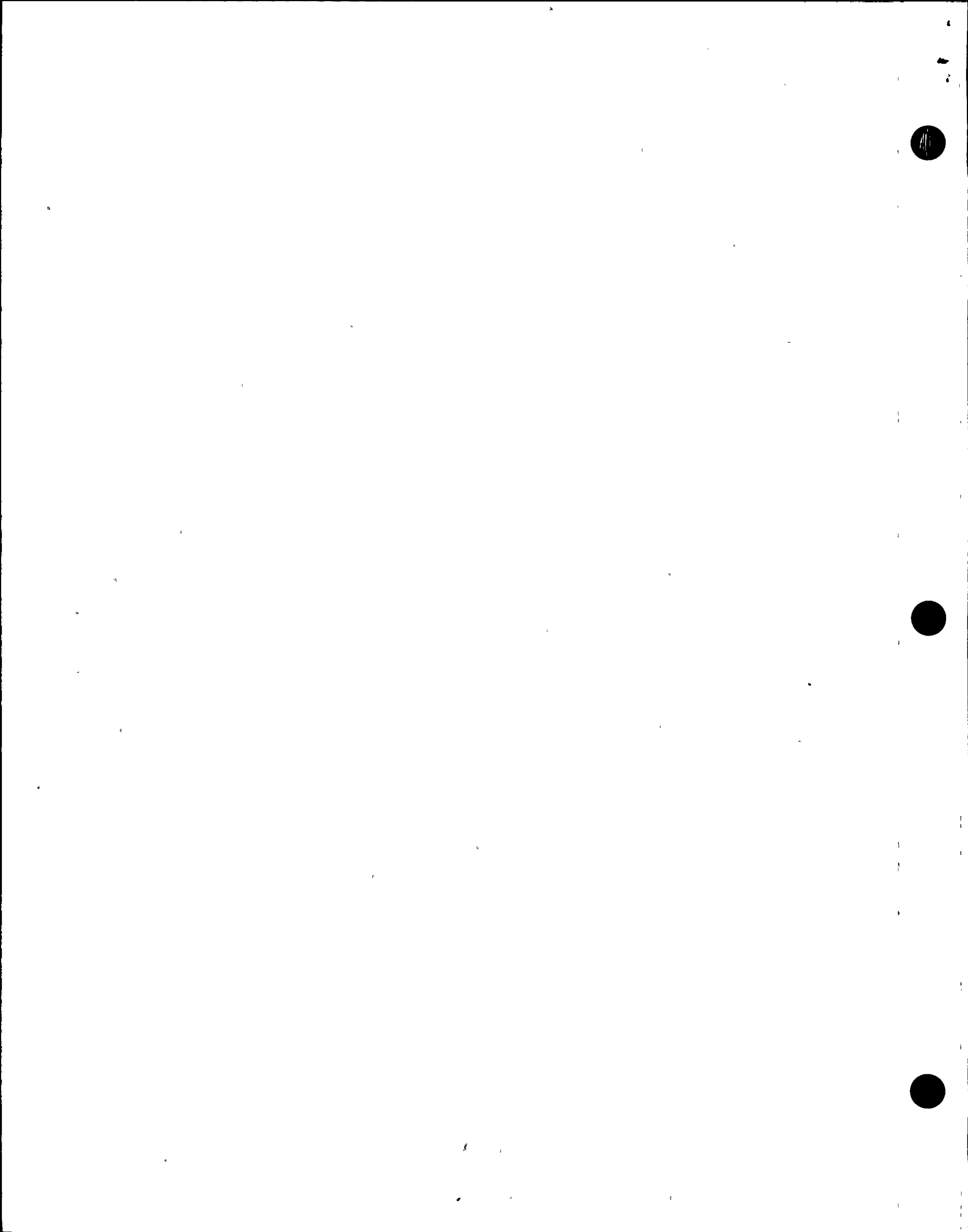

PLANT SUPERINTENDENT

6-17-93
EFFECTIVE DATE

CATEGORY 1.0

REVIEWED BY: _____

9307080223 930628
PDR ADOCK 05000244
P PDR



EOP: FR-H.3	TITLE: RESPONSE TO STEAM GENERATOR HIGH LEVEL	REV: 3 PAGE 2 of 7
----------------	--	-----------------------

- A. PURPOSE - This procedure provides actions to respond to a S/G high level condition and to address the S/G overfill concern.
- B. ENTRY CONDITIONS/SYMPTOMS
 - 1. ENTRY CONDITIONS - This procedure is entered from:
 - a. F-0.3, HEAT SINK Critical Safety Function Status Tree on a YELLOW condition, and
 - b. FR-H.2, RESPONSE TO STEAM GENERATOR OVERPRESSURE, if the affected S/G narrow range level is high.



STEP	ACTION/EXPECTED RESPONSE	RESPONSE NOT OBTAINED
------	--------------------------	-----------------------

CAUTION

- o IF S/G NARROW RANGE LEVEL HAS INCREASED TO GREATER THAN 90% [85% ADVERSE CNMT], THEN AN EVALUATION SHOULD BE MADE FOR S/G OVERFILL CONSIDERATIONS. STEAM SHOULD NOT BE RELEASED FROM ANY S/G WITH LEVEL GREATER THAN 90% [85% ADVERSE CNMT] PRIOR TO OVERFILL EVALUATION.
- o IF S/G OVERFILL IS EXPECTED AN ATTEMPT SHOULD BE MADE TO DISPATCH PERSONNEL TO PIN MAIN STEAMLINES.

NOTE:

- o Throughout this procedure, "affected" refers to any S/G in which narrow range level is greater than 67%.
- o Adverse CNMT values should be used whenever CNMT pressure is greater than 4 psig or CNMT radiation is greater than 10^{+05} R/hr.

- | | |
|---|---|
| 1 Check Affected S/G(s) Narrow Range Level - GREATER THAN 67% | <u>IF</u> less than 67% in all S/Gs, <u>THEN</u> return to procedure and step in effect. |
| 2 Verify FW Isolation To Affected S/G(s): | |
| <ul style="list-style-type: none"> a. MFW pumps - TRIPPED b. MFW flow control valve(s) - CLOSED <ul style="list-style-type: none"> • MFW regulating valve(s) • MFW bypass valve(s) | <ul style="list-style-type: none"> a. Trip MFW pumps. b. Manually close valves. |
| <ul style="list-style-type: none"> c. Verify both S/G pressures - GREATER THAN CONDENSATE HEADER PRESSURE | <ul style="list-style-type: none"> c. Stop any running condensate pumps. |



EOP:
FR-H.3

TITLE:
RESPONSE TO STEAM GENERATOR HIGH LEVEL

REV: 3
PAGE 4 of 7

STEP

ACTION/EXPECTED RESPONSE

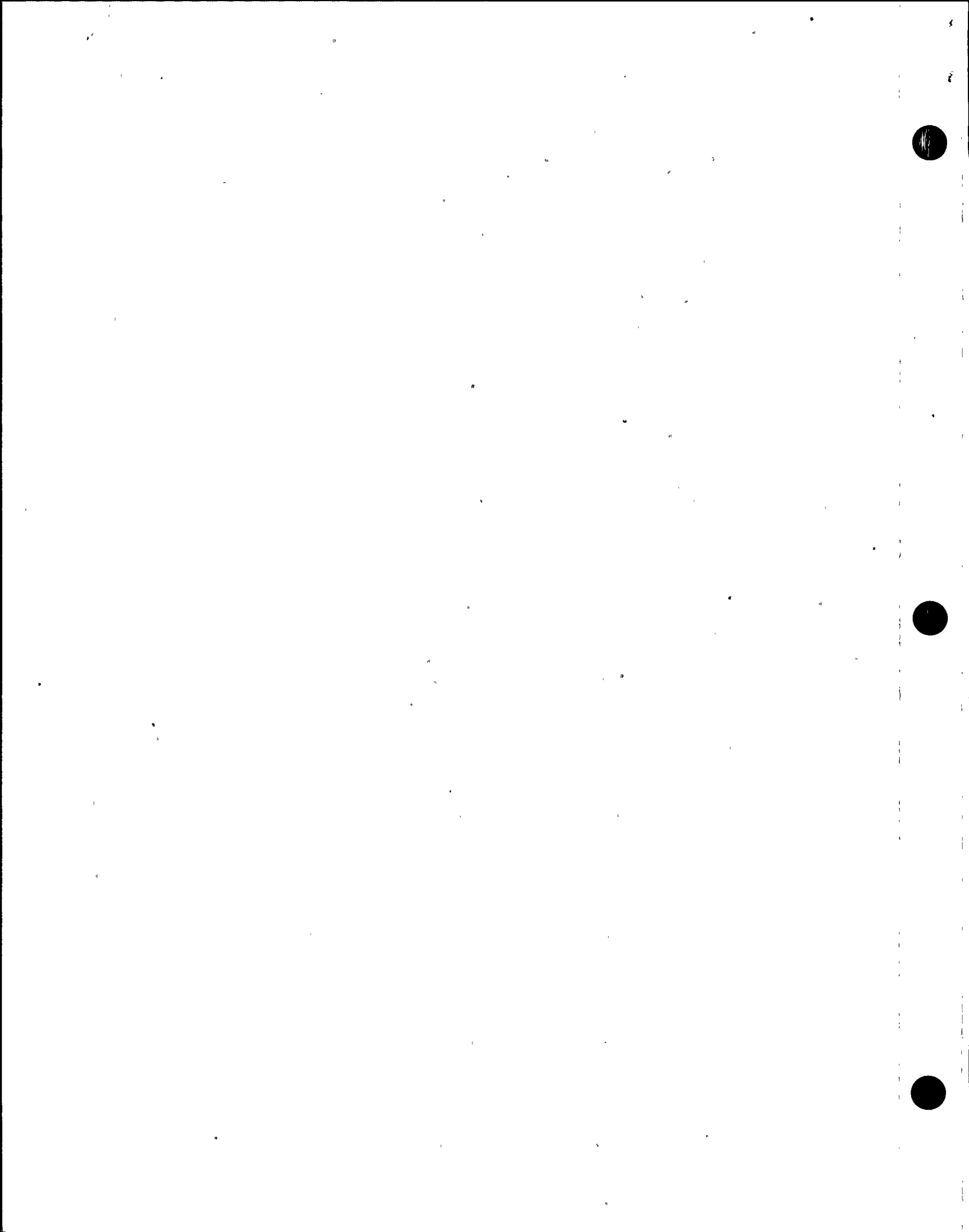
RESPONSE NOT OBTAINED

3 Close AFW And SAFW Flow Control Valves To Affected S/G(s):

Stop pumps feeding affected S/G(s).

- o S/G A
 - MOV-4007 and AOV-4480, MDAFW pump
 - AOV-4297, TDAFW pump
 - MOV-9701A, SAFW pump

- o S/G B
 - MOV-4008 and AOV-4481, MDAFW pump
 - AOV-4298, TDAFW pump
 - MOV-9701B, SAFW pump



EOP:

FR-H.3

TITLE:

RESPONSE TO STEAM GENERATOR HIGH LEVEL

REV: 3

PAGE 5 of 7

STEP

ACTION/EXPECTED RESPONSE

RESPONSE NOT OBTAINED

4 Check Affected S/G(s) Level:

a. Narrow range level - LESS THAN 90% [85% adverse CNMT]

b. Narrow range level - DECREASING

c. Control AFW flow to maintain narrow range level between 17% [25% adverse CNMT] and 39%

d. Return to procedure and step in effect

a. Go to Step 5.

b. IF affected S/G level continues to increase, THEN perform the following:

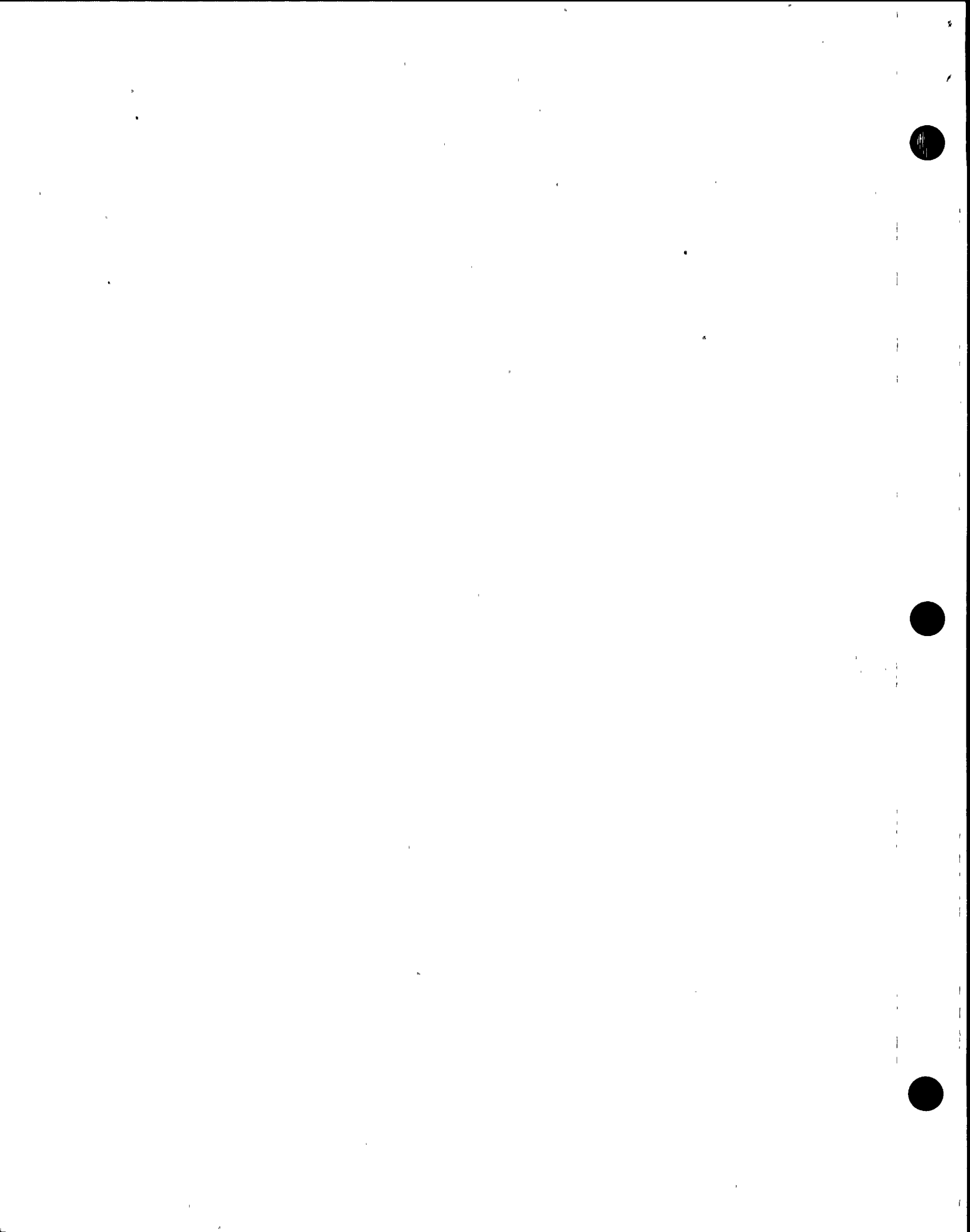
1) Dispatch AO to locally isolate affected S/G:

- o For S/G A, close MFW regulating and bypass valve outlet isolation valves, V-3987 and V-3991

-OR-

- o For S/G B, close MFW regulating and bypass valve outlet isolation valves, V-3986 and V-3990

2) Go to Step 5.



EOP:

FR-H.3

TITLE:

RESPONSE TO STEAM GENERATOR HIGH LEVEL

REV: 3

PAGE 6 of 7

STEP

ACTION/EXPECTED RESPONSE

RESPONSE NOT OBTAINED

5 Adjust Affected S/G(s) ARV
Setpoint To 1050 PSIG

6 Close Affected S/G TDAFW Pump
Steam Supply Valve And Place
In PULL STOP

- S/G A, MOV-3505A
- S/G B, MOV-3504A

7 Close Affected S/G(s) MSIV
And Bypass Valves

8 Check Affected S/G(s)
Radiation Levels - NORMAL

- S/G blowdown, R-19
- S/G A, R-31
- S/G B, R-32

IF an E-3 or ECA-3 series procedure
is in effect, THEN return to
procedure and step in effect. IF
NOT, THEN go to E-3, STEAM
GENERATOR TUBE RUPTURE, Step 1.

9 Establish Blowdown From
Affected S/G(s):

- a. Reset SI and CI
- b. Reset XY relays for affected S/G
blowdown valves
- c. Place blowdown key switch for
affected S/G to defeat
- d. Verify S/G blowdown valves - OPEN
- e. Dispatch AO to establish
blowdown to condenser or flash
tank, as desired (Refer to
T-14F, STEAM GENERATOR BLOWDOWN
SYSTEM STARTUP)



EOP: FR-H.3	TITLE: RESPONSE TO STEAM GENERATOR HIGH LEVEL	REV: 3 PAGE 7 of 7
----------------	--	-----------------------

STEP	ACTION/EXPECTED RESPONSE	RESPONSE NOT OBTAINED
10	Return To Procedure And Step In Effect	-END-

