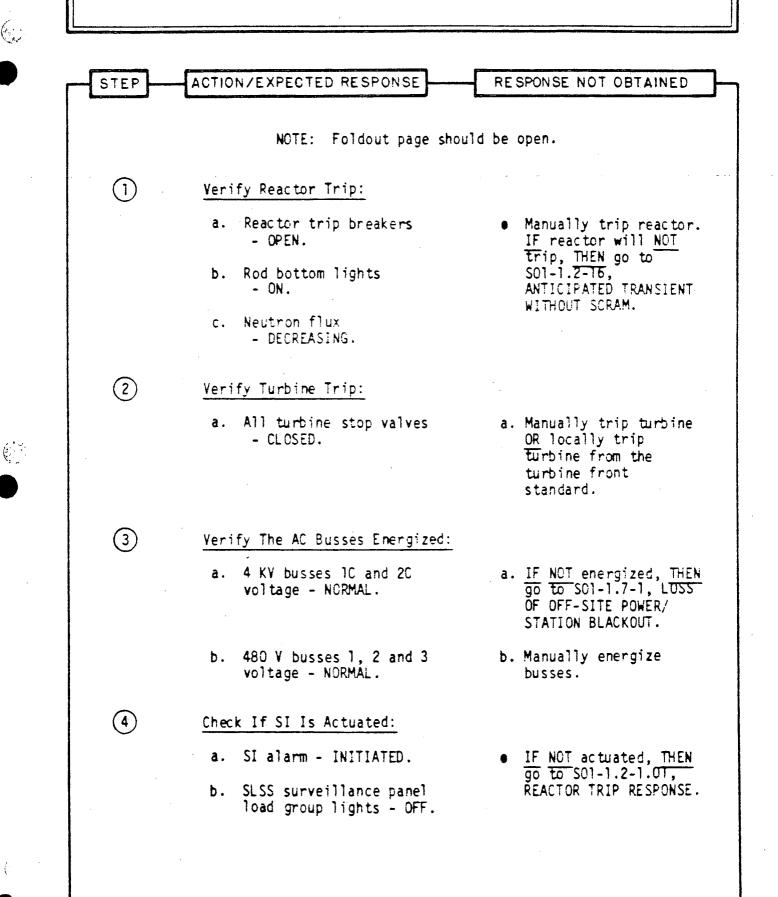


1 of 16

PDR

REACTOR TRIP OR SAFETY INJECTION



S01-1.2-1.0 REACTOR TRIP OR SAFETY INJECTION REV 4 ACTION/EXPECTED RESPONSE RESPONSE NOT OBTAINED STEP (5) Verify RCPs Tripped: a. RCP breakers - OPEN. a. Manually trip pumps. NOTE: The check boxes in steps 6 and 7 are provided as an aid in assuring that a minimum of one SI train (A or B) is fully aligned. 6 Verify SI Pumps Running: a. One charging pump breaker a. Manually start - CLOSED. preselected charging pump. b. SI pump breakers:

E(A)

₩(B)

(::

b. Manually start pumps.

c. Manually start pumps.

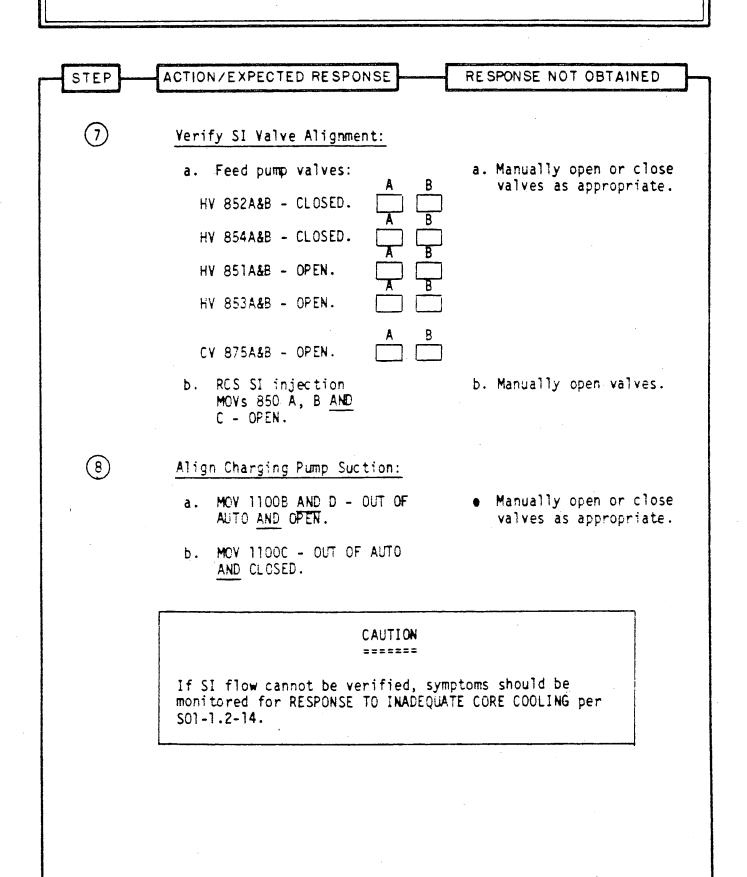
c. Feed pump breakers: E(A)12004 - CLOSED. ₩(B) 11C04 - CLOSED.

12C05 - CLOSED.

11CO5 - CLOSED.

6.

REACTOR TRIP OR SAFETY INJECTION



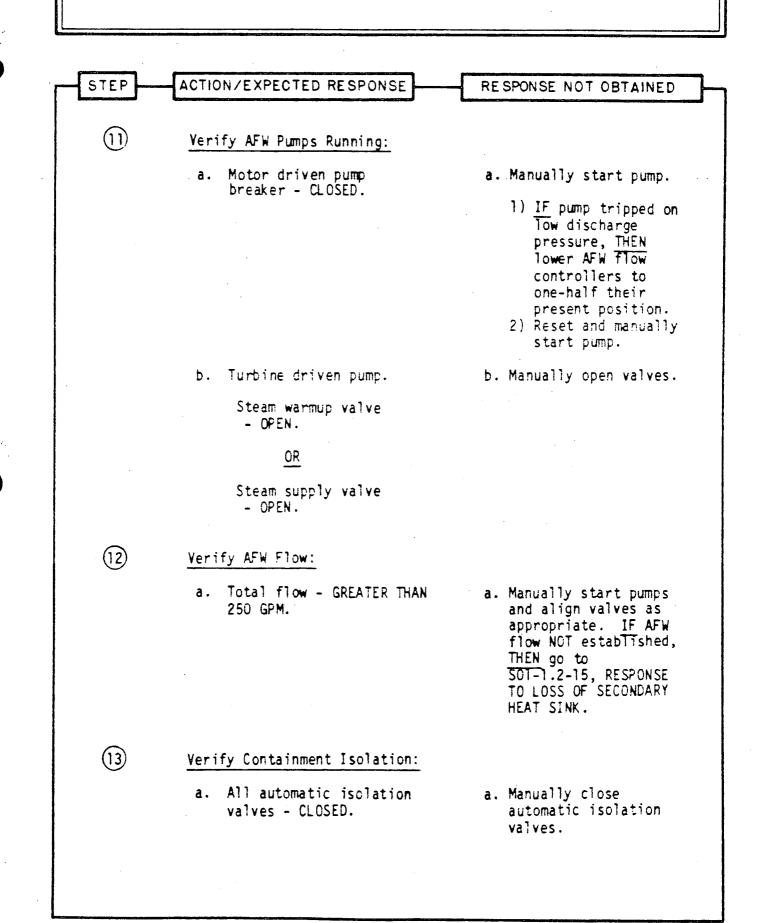
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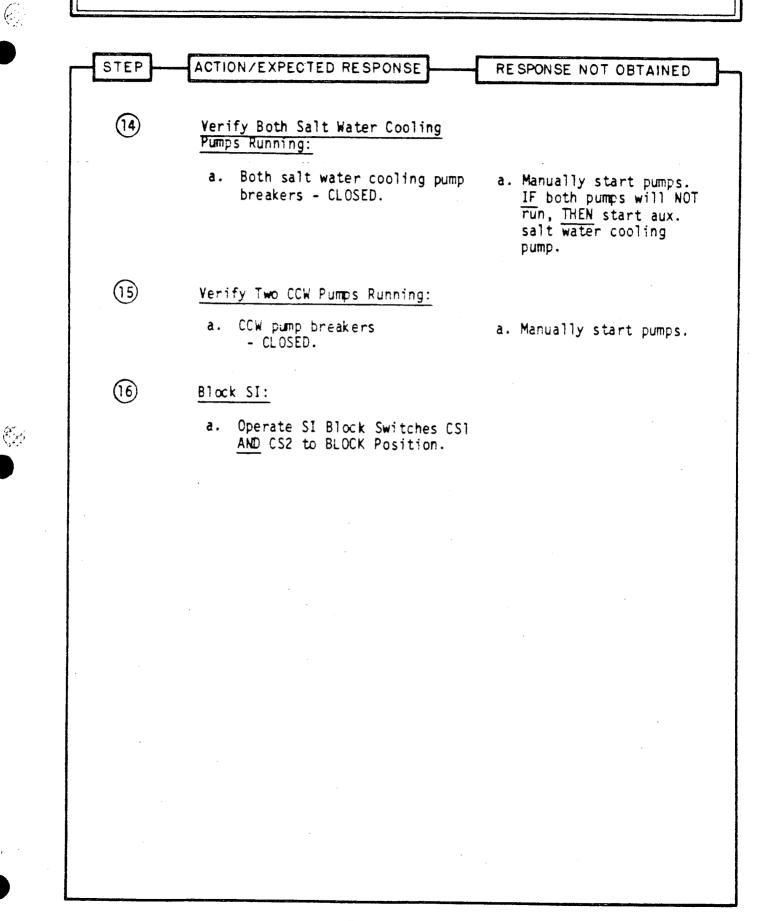
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REACTOR TRIP OR SAFETY INJECTION

STEP	ACTION/EXPECTED RESPONSE	RESPONSE NOT OBTAINED
9	Verify SI Flow:	
	a. RC charging flow GREATER THAN 80 GPM.	a. Manually align valves as appropriate.
	b. IF RCS pressure is less than TT70 psig, THEN check SI line loop indicators - CHECK FOR FLOW.	e
	CAUTION	
	RWST level should be monitored and of SO1-1.2-1.13 TRANSFER TO COLD L AND RECIRCULATION must be complete decreases to 21%.	LEG INJECTION
	L <u></u>	
10	Verify AFW Valve Alignment:	
10	Verify AFW Valve Alignment: a. Motor driven pump:	a. Manually open or clos valves as appropriate
10		a. Manually open or clos valves as appropriate
10	a. Motor driven pump:1) AFW header discharge	
10	 a. Motor driven pump: 1) AFW header discharge valve - OPEN. 2) Main FW header 	
10	 a. Motor driven pump: 1) AFW header discharge valve - OPEN. 2) Main FW header discharge valve - CLOSED. b. Turbine driven pump AFW header discharge valve 	valves as appropriate

REACTOR TRIP OR SAFETY INJECTION

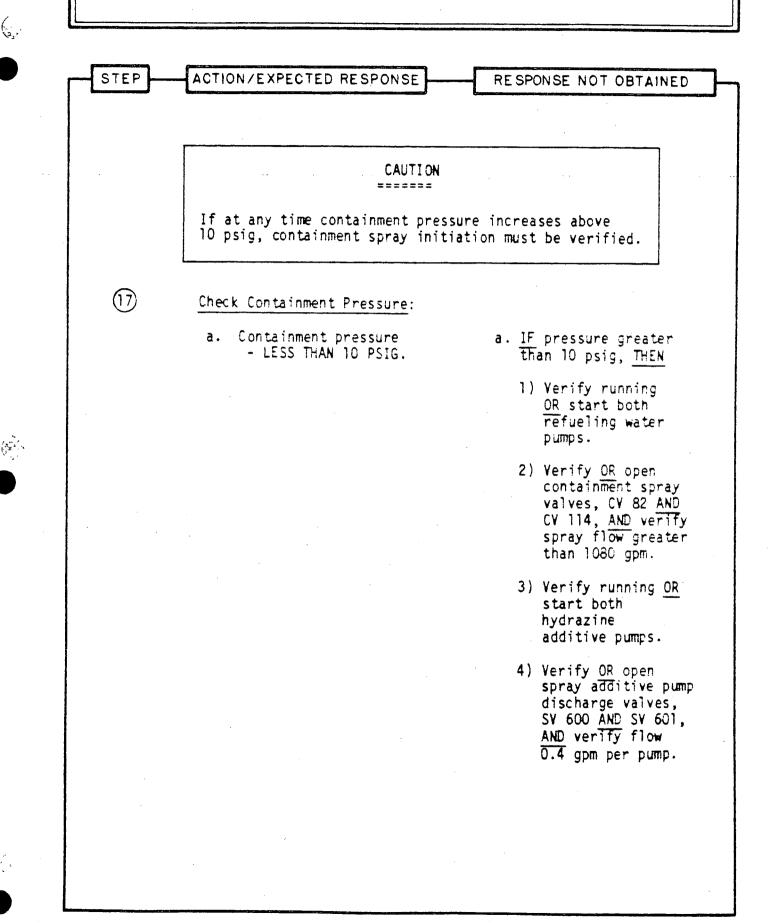




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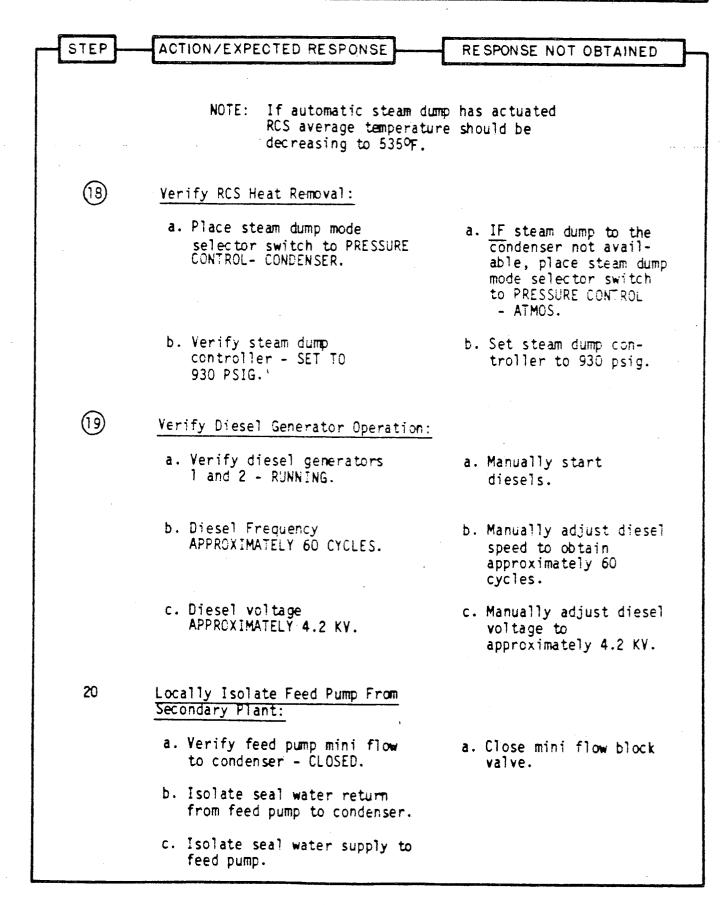
REACTOR TRIP OR SAFETY INJECTION

REV 4



REACTOR TRIP OR SAFETY INJECTION

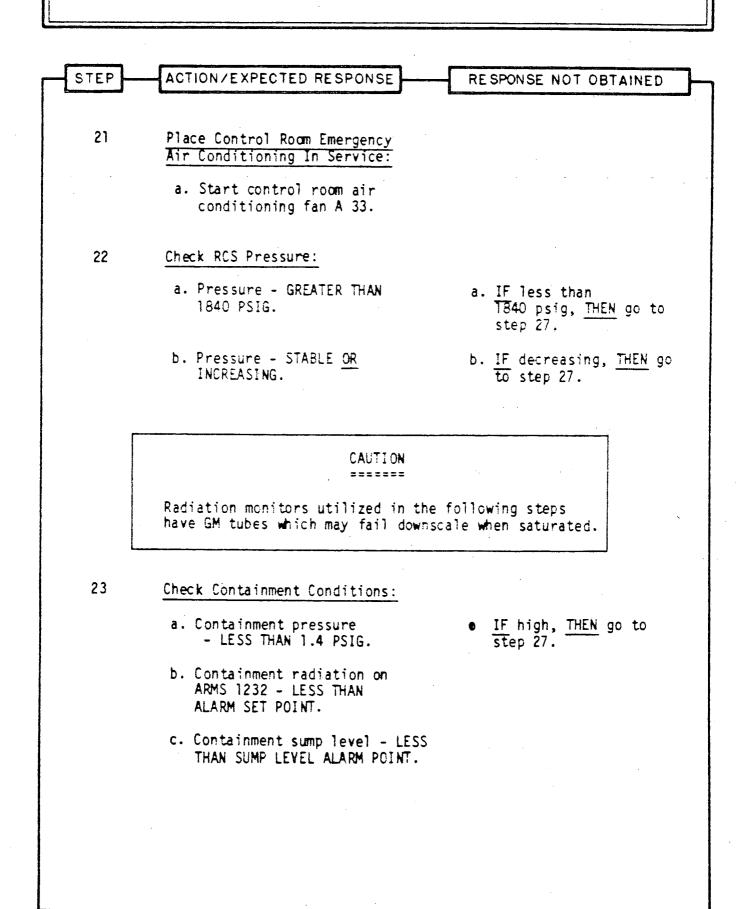
REV 4



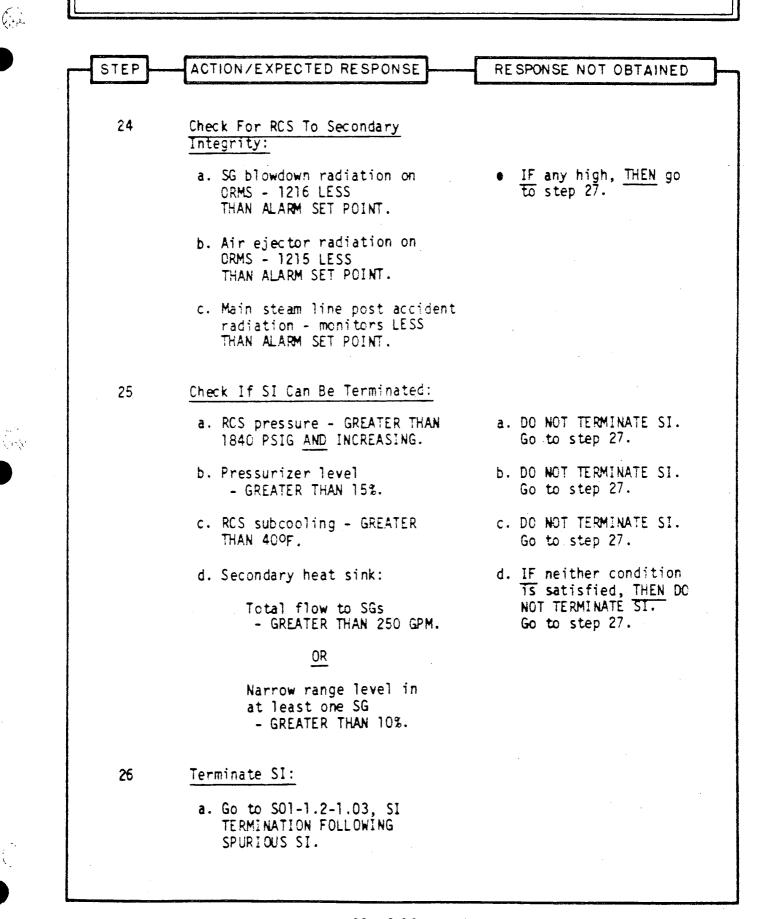
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REACTOR TRIP OR SAFETY INJECTION

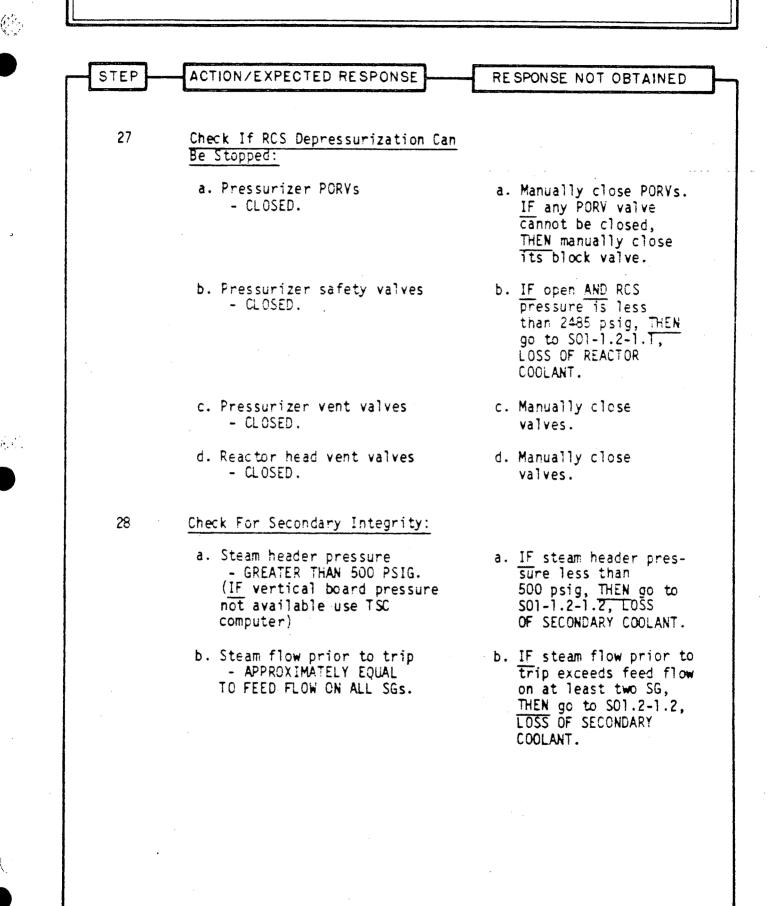
REV 4



REACTOR TRIP OR SAFETY INJECTION



REACTOR TRIP OR SAFETY INJECTION



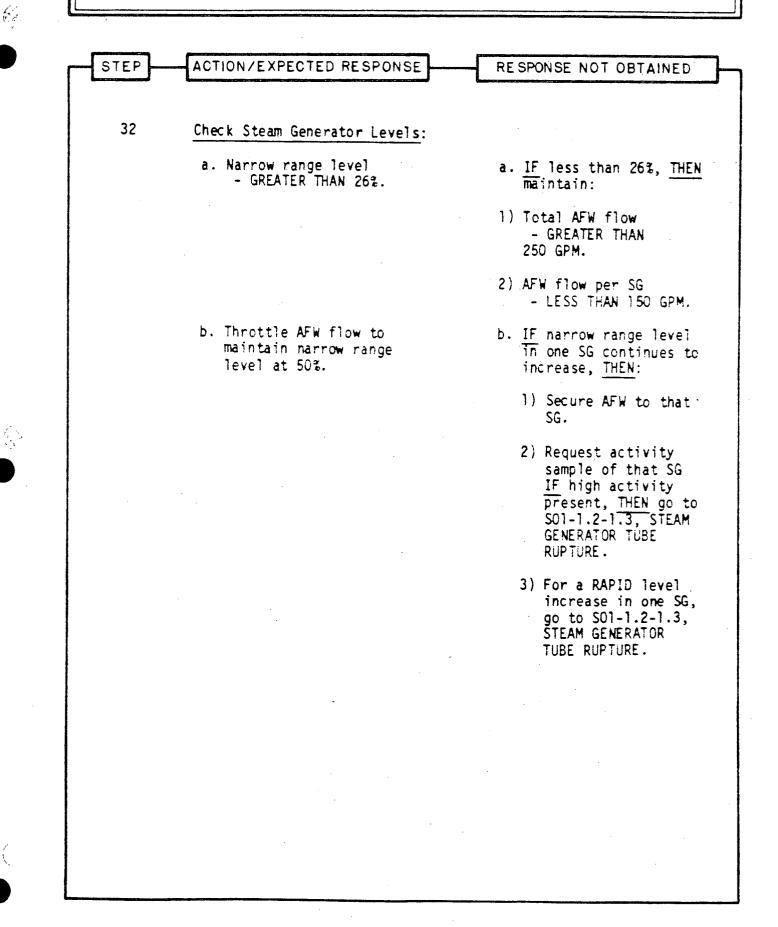
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REACTOR TRIP OR SAFETY INJECTION

EP	ACTION/EXPECTED RESPONSE	RESPONSE NOT OBTAINE
29	Check For RCS Integrity:	
	a. Containment pressure - LESS THAN 1.4 PSIG AND NOT INCREASING.	 IF high, OR increasi THEN go to SOI-1.2-1.1, LOSS OF REACTOR COOLANT.
	b. Containment radiation on ARMS 1232 - LESS THAN ALARM SET POINT AND NOT INCREASING.	REACTOR COULANT.
	c. Containment sump level - LESS THAN SUMP LEVEL ALARM POINT AND NOT INCREASING.	
0	Check For RCS To Secondary Integrity:	
	a. SG blowdown radiation on ORMS 1216 - LESS THAN ALARM SET POINT AND NOT INCREASING.	• IF high, THEN go to SOI-1.2-1.3, STEAM GENERATOR TUBE RUPTURE.
	b. Air ejector radiation on CRMS 1215 - LESS THAN ALARM SET POINT AND NOT INCREASING.	
	c. Main steam line post accident radiation monitors - LESS THAN ALARM SET POINT AND NOT INCREASI	NG.
1	Check Steam Header Pressure:	
×	a. Steam header pressure - STABLE AT 900 TO 950 PSIG.	a. Adjust steam dump co troller setpoint.

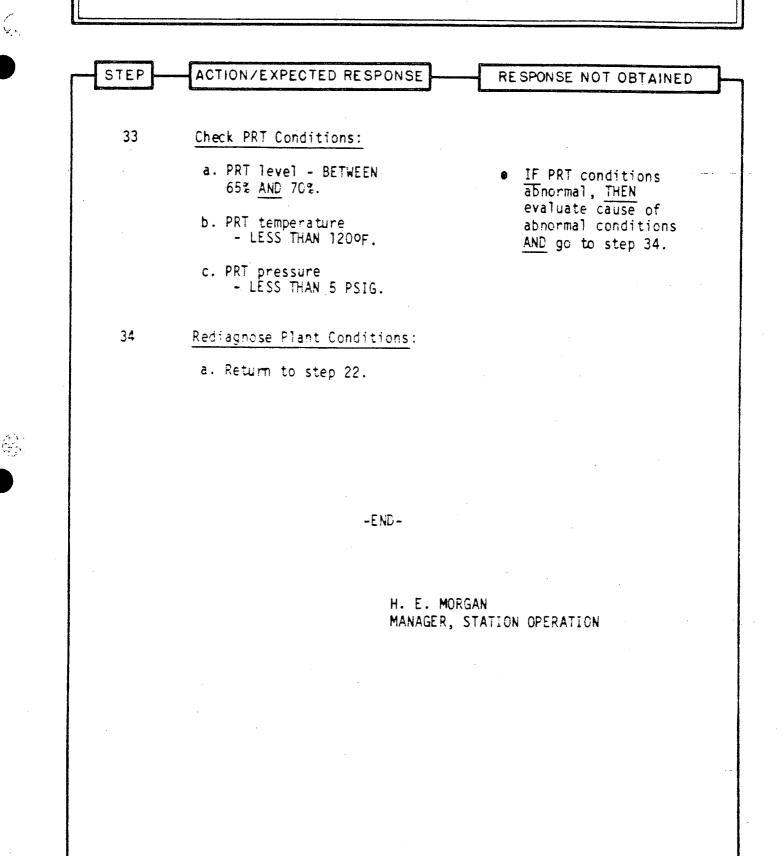
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REACTOR TRIP OR SAFETY INJECTION



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REACTOR TRIP OR SAFETY INJECTION



MOTOR DRIVEN AFW PUME RESTART CRITERIA

IF a motor driver AFW pump trips on low discharge pressure, THEN: а.

BUITILLI KEY U

- 1) Lower AFW flow controllers.
- 2) Reset AND restart pump.

SI TERMINATION CRITERIA FOR SPURIOUS SI

- NORMAL .

-=40 OF

a. Terminate SI when ALL parameters listed below are met:

OR

- 1) Containment Conditions
- 2) RCS Pressure
- 3) RCS Subcooling
- **'4**'} `` Pressurizer Level
- 5) Heat Sink:
 - (a) SG Level

(b) AFW Flow

- GREATER THAN 102.

- GREATER THAN 15%.

- GREATER THAN 1840 PSIG.

- GREATER THAN 250 GPM.

SI REINITIATION CRITERIA FOLLOWING SPURIOUS SI

- a. Reinitiate SI if ANY ONE of the parameters listed below occurs:
 - RCS Pressure _____ RCS Subcooling 1) - LESS THAN 1735 PSIG. 2) - LESS THAN 40 OF. 3)
 - Pressurizer Level 4) Containment Pressure
- LESS THAN 10%.
- GREATER THAN 1.4 PSIG.

COLD LEG RECIRCULATION SWITCHOVER CRITERIA

a. IF RWST level less than 212 THEN align SI system for cold leg recirculation per SO1-1.2-1.13, TRANSFER TO COLD LEG INJECTION AND RECIRCULATION.

SYMPTOMS FOR RESPONSE TO INADEQUATE CORE COOLING

- a. Go to SO1-1.2-14, RESPONSE TO INADEQUATE CORE COOLING, when ANY ONE of the following symptoms occur:
 - Five or more core exit TCs GREATER THAN 1200 OF. 1)
 - 2) RCS hot leg temperatures - GREATER THAN 700 OF.

SYMPTOMS FOR RESPONSE TO LOSS OF SECONDARY HEAT SINK

a. Go to SO1-1.2-15, RESPONSE TO LOSS OF SECONDARY HEAT SINK IF AFW Flow is NOT AVAILABLE.

IF EVENTS REQUIRE IMPLEMENTATION OF THIS PROCEDURE

- δ. Notify Shift Technical Advisor.
- b. Notify Shift Communicator.
- Determine if event is classified as an emergency and requires notification c. of offsite agencies and implementation of the Emergency Plan per S0123-VIII-11, RECOGNITION AND CLASSIFICATION OF EMERGENCIES.
- IF event is NOT classified as an emergency in c above THEN determine if d. notification of the NRC is required within one hour per S01-14-13, NOTIFICATION TO NRC OF SIGNIFICANT EVENTS.