

STEP	ACTION / EXPECTED RESPONSE	DE CONSE NOT OBTIN
		RESPONSE NUT UBLAIN
	NOTE: Foldout page sh	ould be open.
	CAUTION ======	
	If offsite power is lost after SI initiation will be necessary to 1 onto the diesel powered 4 KV buss	is reset, manual SI oad safeguard equipment ses.
1	Verify SI Reset:	
	a. SLSS surveillance panel load group lights - ON.	a. Reset SI at SLSS surveillance panels
	 b. Verify lockout switches - RESET. 	b. Manually reset lockout switches.
2	Stop SI System Pumps:	
	a. Stop both feed pumps.	
	b. Stop both SI pumps.	
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SI TERMINATION FOLLOWING LOSS OF REACTOR COOLANT





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TEP	ACTION/EXPECTED RESPONSE	RESPONSE NOT OBTAINED
10	Verify CCW System Operating Properly:	
	a. Two CCW pump breakers - CLOSED.	a. Manually start pumps
	 CCW flow indication GREATER THAN 1620 GPM. 	b. IF low, THEN start third CCW pump.
	 CCW low pressure alarm RESET. 	c. IF low, THEN start third CCW pump.
11	Align Letdown System:	
	a. Place inservice RHR heat exchanger temperature controller to - MANUAL, SET AT 25% OPEN.	
	 b. Place letdown pressure controller PCV 1115 to - MANUAL, SET AT 50% OPEN. 	
	c. Open RCS letdown CV 525 AND CV 526.	
	d. Verify LCV 1112 - OPEN.	d. Manually open valve.
	e. Verify LCV 1100A control switch - AUTO.	e. Manually position switch.
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STEP	ACTION/EXPECTED RESPONSE RESPONSE NOT OBTAINED
14	Check RCP Cooling:
	a. RCP low CCW flow alarms a. Manually adjust CCW - RESET. flow.
	 b. RCP Seal injection flow established with RCP b. Establish seal water. b. Establish seal water. Place flow controller in AUTO set to pressures - GREATER THAN INCHES. b. Establish seal water. Place flow controller in AUTO set to maintain a positive delta pressure.
	c. Open RCP seal return CV 527 <u>AND</u> CV 528.
	d. Verify seal leakoff is d. Place PCV 1115 A, B - LESS THAN 4.5 GPM. <u>AND</u> C in AUTO.
15	Establish Pressurizer Level Control:
	a. Verify charging flow controller FCV 1112 in AUTO, CASCADE CONTROL.
	 b. Place pressurizer level controller LC430F in AUTO, MAN SET AND set at 50%.
16	Establish Pressurizer Pressure Control:
	 a. Verify pressurizer pressure a. Manually position controller in - AUTO, SET controller. AT 2085 PSIG.
	b. Energize one control and one backup set of pressurizer heaters.
	c. Place remaining control and backup set of pressurizer heaters in AUTO.



STEP	ACTIC	N/EXPECTED RESPONSE	RE	SPONSE NOT OBTAINED
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19	Veri	fy For RCS Natural		
	à.	RCS subcooling - GREATER THAN 50 °F.	0	Attempt to establish natural circulation by
	b.	Steam pressure - STABLE.		increasing steam dump.
	c.	RCS cold leg temperature - STABLE OR SLOWLY DECREASING AND NEAR SATURATION TEMPERATURE FOR STEAM HEADER PRESSURE.		
	d.	Core exit TCs - STABLE <u>OR</u> SLOWLY DECREASING.		
	e.	Refer to SO1-3-6, PLANT OPERATION WITH NATURAL CIRCULATION:		
20	Chec	k Intermediate Range Flux:		
	ā.	Flux - LESS THAN 2x10-9 AMPS.	a.	Continue with step 21. WHEN flux decreases below 2x10-9 amps, THEN perform steps
	b.	Verify source range detectors high voltage - ON.	• •	20.6 <u>AND</u> 20.c.
	с.	Transfer NIS recorders to source range.		

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SI TERMINATION FOLLOWING LOSS OF REACTOR COOLANT

24	Investigate Cause of SI:
	a. Emergency Coordinator will determine cause of SI.
	b. Evaluate long term plant status.
25	Shut Down Unnecessary Plant Equipment And Align Plant Systems For Cooldown:
	a. Go to SO1-1.2-1.01, REACTOR TRIP RECOVERY, step 4.

H. E. MORGAN MANAGER, STATION OPERATIONS

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MOTOR DRIVEN AFW PUMP RESTART CRITERIA

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

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

SI TERMINATION CRITERIA FOLLOWING LOSS OF REACTOR COOLANT

Terminate SI when ALL parameters listed below are met: a. 1) RCS Pressure - GREATER THAN 1400 PSIG. 2) RCS Subcooling - 40 OF 3) Pressurizer Level - GREATER THAN 50%. 4) Heat Sink: _____ (a) SG Level - 102 N. R. OR (b) AFW Flow - 250 GPM.

SI REINITIATION CRITERIA FOLLOWING LOSS OF REACTOR COOLANT

a. Reinitiate SI if ANY ONE of the parameters listed below occurs:

1)	KUS Pressure	LESS THAN TADU PSIG.
2)	RCS Subcooling	LESS THAN 40 PF.
3)	Pressurizer Lével	LESS THAN 202.

COLD LEG RECIRCULATION SWITCHOVER CRITERIA

a. IF RWST level less than 21%, THEN align SI system for cold leg injection and 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 <u>ANY</u> ONE of the following symptoms occur:
 - 1) Five or more core exit TCs GREATER THAN 1200 OF.

OR

2) RCS hot leg temperatures - GREATER THAN 700 °F.

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

- a. Notify Watch Engineer.
- b. Notify Shift Technical Advisor.
- c. Notify Shift Communicator.
- d. Determine if event is classified as an emergency and requires notification 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 d above THEN determine if notification of the NRC is required within one hour per SO1-14-13, NOTIFICATION TO NRC OF SIGNIFICANT EVENTS.