

	EDURE NO.	REVISION			PAGE NO.
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	ACTION/EXPECTED RESI	PONSE		RESPO	ONSE NOT OBTAINED
1.	Start all three NSCV in the affected trai	/ Pumps .n.	1.	Check indic power to St	k by status light cation that electric r is available and go tep 2.
					- OR -
				IF po THEN 18031 ELECT	ower is not available, initiate L-C, LOSS OF CLASS 1E TRICAL SYSTEMS.
2.	Check affected NSCW operation:	Train	2.		
	 Supply header pre Greater Than 90 P 	ssure - sig		a. Pi tr	ace the opposite NSCW ain in operation by
	Train A: PI-1636 Train B: PI-1637			SY	STEM.
	 Supply header tem on PROTEUS or ERF Less Than 90°F. Train A: Instrum 	perature compute: ent	r	b. IF be TH	-OR- neither NSCW train ca placed into operation EN:
	Train B: Instrum TE-1643	ent		•	Trip the reactor and go to 19000-C, E-O, REACTOR TRIP OF SAFET
	 Supply header flo Approximately 18. 	w - 000 Gpm			INJECTION.
	Train A: FI-1640 Train B: FI-1641	B E		•	Continue with Step 3 of this AOP.
	 Return header flow Approximately 18, 	000 Gpm			
	Train A: FI-1640A				

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	and the second		nan manya di mananananan kana yang manya sang mangan kanan kanan kanan kanan kanan kanan kanan kanan kanan kana
	ACTION/EXPECTED RESPONSE		RESPONSE NOT OBTAINED
3.	Check NSCW Cooling Towers:	3.	
	 Basin levels - Greater than 731 		a. Stop cooling tower blowdown.
	Tower A: LI-1606 Tower B: LI-1607		b. Makeup to cooling towers by initiating 13150, NUCL WAS SERVICE COOLING
	NSCW Supply temperature: Equal To Or Less Then		WATER SYSTEM.
	90°F		- OR -
	Tower A: TE1642 Tower B: TE1643		Comply with Tech. Spec. 3.7.5.
4.	IF the loss of NSCW is sustained, <u>THEN</u> shutdown the train- associated Emergency Diesel Generator by initiating 13145, DIESEL GENERATORS and refer to Tech. Spec. 3.8.1.1 or Tech. Spec. 3.8.1.2 as applicable.		
5.	Transfer NSCW loads listed in Table 1 to operating SCW train.	5.	Initiate the following as appropriate:
		(18020-C, LOSS OF COMPONEN COOLING WATER 18022-C, LOSS OF AUXILIAF COMPONENT
		7	• 18019-C, LOSS OF RESIDUAL HEAT REMOVAL
6.	Restore the NSCW Train to operation within 72 hours	6.	Perform plant shutdown to cold shutdown.

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	ACTION/EXPECTED RES	PONSE		RESPONSE	NOT OBTAINED
7.	Check Tech. Specs. operability require components served b affected NSCW train determine the most Tech. Spec. time co on continued operat the present mode.	for ments of y the to limiting mstraint ion in			
8.	IF NSCW return temp is greater than 95° on TI-1676A (Train TI-1677A (Train B), THEN check all cool fans running.	erature F read A) or ing tower	8.	Start an; running. Shift op systems NSCW tra	y fans that are no -OR- erating auxiliary to the unaffected in as necessary.
9.	IF loss of NSCW train was caused by a leak, <u>THEN</u> :		9.	IF leakage cannot be repaired within 72 ho Then shutdown to Cold Shutdown by initiation	ge cannot be within 72 hours, tdown to Cold by initiating
	a. Shutdown any com affected by the	nponents leak.		applicad	ie oors.
	b. Transfer operation redundant comport	lon to nents,			
	c. Isolate and repaired leak.	air the			
10.	Continue operation returning to applic	by cable UOP.			

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	Table 1. LIST OF NS	CW LOADS BY TRAIN
	Train A	<u>Train B</u>
•	Centrifugal Charging Pump A and Lube Oil Cooler	 Centrifugal Charging Pump B and Lube Oil Cooler
•	Safety Injection Pump A and Lube Oil Cooler	 Safety Injection Pump B and Luba Oil Cooler
•	Containment Spray Pump A	 Containment Spray Pump B
•	Residual Heat Removal Pump A	 Residual Heat Removal Pump B
•	Component Cooling Water Pumps PMP-1, PMP-3, and PMP-5	 Component Cooling Water Pumps PMP-2, PMP-4, and PMP-6
•	Component Cooling Water Heat Exchanger E4-001	 Component Cooling Water Heat Exchanger E4-002
•	Auxiliary Component Cooling Water Heat Exchanger E4-001	 Auxiliary Component Cooling Water Heat Exchanger E4-002
•	Train A Diesel Generator	• Train B Diesel Generator
•	Control Building ESF Chiller 1592-C7-001	 Control Building ESF Chiller 1592-C7-002
•	Piping Penetration Area Cooler E7-002	 Piping Penetration Area Cooler E7-002
•	CTB Coolers A7-001 and A7-002 on the same supply header	 CTB Coolers A7-003 and A7-004 on the same supply header
•	CTB Coolers A7-005 and A7-006 on the same supply header	• CTB Cooler A7-007 and A7-008 on the same supply header
•	CTB Auxiliary Air Cooling Coil A7-001 and Reactor Cavity Cooling Coil on the same supply header	• CTB Auxiliary Air Cooling Coil A7-002 and Reactor Cavity Cooling Coil on th

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