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ROCHESTER GAS AND ELECTRIC CORPORATION

GINNA STATION

CONTROLLED COPY NUMBER 23

TECHNICAL REVIEW

PORC REVIEW DATE 5/10/91

Joseph A. Widay  
PLANT SUPERINTENDENT

5/10/91  
EFFECTIVE DATE

CATEGORY 1.0

REVIEWED BY: \_\_\_\_\_

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A. PURPOSE - This procedure provides the step necessary to place and maintain the plant in a Hot Shutdown Condition in the event that a control room evacuation is necessary.

B. ENTRY CONDITIONS/SYMPTOMS

1. SYMPTOMS - The symptoms of CONTROL ROOM INACCESSIBILITY are;
  - a. Fire in the Control Room, or
  - b. Smoke in the Control Room, or
  - c. Noxious Fumes in the Control Room, or
  - d. Intrusion

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STEP	ACTION/EXPECTED RESPONSE	RESPONSE NOT OBTAINED
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NOTE: Steps 1 and 2 are immediate action steps.

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|---|--|
| <p>① Verify Reactor Trip:</p> <ul style="list-style-type: none"> <li>o Reactor trip breakers - OPEN</li> <li>o MRPI indicates - ALL CONTROL AND SHUTDOWN RODS ON BOTTOM</li> <li>o Neutron flux - DECREASING</li> </ul> | <p>Manual trip the reactor from the control board. <u>IF</u> the Rx can <u>NOT</u> be tripped from the Control Room, <u>THEN</u> locally open the reactor trip breakers.</p> |
| <p>② Verify Turbine Stop Valves - CLOSED</p>  | <p>Manually trip turbine from MCB. <u>IF</u> turbine can <u>NOT</u> be tripped at the MCB, <u>THEN</u> close both MSIVs.</p>   |



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STEP	ACTION/EXPECTED RESPONSE	RESPONSE NOT OBTAINED
3	<p>Verify That Fire <u>HAS NOT</u> Significantly Damaged The MCB Control Circuits</p> <ul style="list-style-type: none"> <li>o MCB - NO FIRE OR FIRE UNDER CONTROL</li> <li>o Safety related controls and indications - NO SIGNIFICANT LOSS OF CONTROLS/INDICATION</li> </ul>	<p>Perform the following actions:</p> <ul style="list-style-type: none"> <li>a. Close both MSIVs.</li> <li>b. Trip both reactor coolant pumps.</li> <li>c. Close both PRZR relief valves, PCV-430 (431C).</li> <li>d. Proceed to the Appendix R locker, immediately outside the Control Room.</li> <li>e. Control Room Foreman and communicator proceed to TSC and refer to SC-100 for report requirements.</li> <li>f. Implement procedure SC-3.30.1, ALTERNATIVE SHUTDOWN FOR CONTROL COMPLEX FIRE. <u>DO NOT</u> continue in this procedure.</li> </ul>
<p><u>NOTE:</u> Refer to SC-100, GINNA STATION EVENT EVALUATION AND CLASSIFICATION.</p>		
4	<p>Establish Local Operating Stations (Refer to Attachment A)</p>	
5	<p>Establish AFW To The Steam Generators:</p> <ul style="list-style-type: none"> <li>a. Start - BOTH MOTOR DRIVEN AFW PUMPS</li> <li>b. Verify MDAFW pump flows - LESS THAN 230 GPM</li> </ul>	<ul style="list-style-type: none"> <li>a. Start the TDAFW pump. Locally open TDAFW pump steam admission valves at the steam header MOV-3504A, MOV-3505A.</li> <li>b. Locally throttle AFW flow.</li> </ul>

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STEP	ACTION/EXPECTED RESPONSE	RESPONSE NOT OBTAINED
6	Establish Charging Flow:	
	a. Charging pumps - AT LEAST ONE RUNNING	a. Start a charging pump.
	b. Control charging and letdown - TO MAINTAIN PRESSURIZER LEVEL	
7	Establish Boration Of The RCS To The Xenon Free CSD Condition:	
	a. Refer to 0-3.1 - FOR DETERMINATION OF AMOUNT OF BORIC ACID TO BE ADDED	
	b. Start - A BORIC ACID PUMP	
	c. Manually open - MOV-350	
	d. Stop boration - WHEN REQUIRED BORIC ACID HAS BEEN ADDED	
8	Check SW Pumps - AT LEAST ONE RUNNING IN EACH LOOP	Start pumps as necessary.
9	Check CNMT Recirc Fans - AT LEAST TWO RUNNING	Start fans as necessary.
10	Check S/G Levels - APPROXIMATELY 350 INCHES	Throttle AFW flow as necessary.
11	Check - IF THE CONTROL ROOM IS AGAIN HABITABLE	Return to Step 5.

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### ATTACHMENT A

#### Duties of Personnel During a Control Room Evacuation

##### SHIFT SUPERVISOR -

Will direct overall plant operations and recovery actions. No specific duty station is assigned but the Shift Supervisor should maintain communication with the various groups working to recover from the evacuation.

##### CONTROL ROOM FOREMAN -

Will assist the Head Control Operator in transferring equipment to local control, after completion of the transfer the Control Room Foreman will direct the operator's actions to recover the plant.

##### HEAD CONTROL OPERATOR -

Will go to Auxiliary Feedwater pump area taking operating procedures "O" book, official records; curve book with him and transfer equipment to local control.

##### CONTROL OPERATOR -

Will go to the local operating station in the Charging Pump Room.

##### PRIMARY AUX OPERATOR -

Will go to the local operating stations in the Boric Acid Tank Room.

##### SHIFT TECHNICAL ADVISOR -

Will assist the Head Control Operator while remaining cognizant of plant conditions.

##### OTHER PERSONNEL -

Will assume fire fighting or other duties as directed by the Shift Supervisor or Control Room Foreman.

