

EOP: AP-RCS.3	TITLE: HIGH REACTOR COOLANT ACTIVITY	REV: 6 PAGE 1 of 6
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ROCHESTER GAS AND ELECTRIC CORPORATION

GINNA STATION

CONTROLLED COPY NUMBER 23

TECHNICAL REVIEW

PORC REVIEW DATE 4-21-93

Thomas A. Marlow

PLANT SUPERINTENDENT

4-23-93

EFFECTIVE DATE

CATEGORY 1.0

REVIEWED BY: _____

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- A. PURPOSE - This procedure provides guidance necessary to operate the plant with indication of high reactor coolant activity.
- B. ENTRY CONDITIONS/SYMPTOMS
1. SYMPTOMS - The symptoms of HIGH REACTOR COOLANT ACTIVITY are;
 - a. Unexplained increase in letdown line monitor, R-9, or
 - b. Sampling indicates I-131 equivalent GREATER THAN 0.2 uCi/gm, or
 - c. Sampling indicates gross degassed activity GREATER THAN 20 uCi/gm, or
 - d. Sampling indicates that total specific activity exceeds 84/E.

STEP	ACTION/EXPECTED RESPONSE	RESPONSE NOT OBTAINED
<p style="text-align: center;">***** <u>CAUTION</u> *****</p>		
<ul style="list-style-type: none"> o IF LETDOWN FLOW EXCEEDS 60 GPM, THEN LOCALLY MONITOR D/P ACROSS THE CVCS DI(S) TO VERIFY THAT FLOW IS CONTINUING AND THAT RELIEF VALVE, V-209, HAS NOT LIFTED. o LETDOWN FLOW THROUGH THE DI'S SHOULD BE LIMITED TO 90 GPM. 		
<p style="text-align: center;">*****</p>		
<p><u>NOTE:</u> Conditions should be evaluated for site contingency reporting (Refer to EPIP-1.0, GINNA STATION EVENT EVALUATION AND CLASSIFICATION.</p>		
<p>1 Verify RCS Activity:</p> <ul style="list-style-type: none"> a. Direct HP to sample RCS for activity b. RCS activity - GREATER THAN NORMAL (Check with HP Department for normal activity) b. <u>IF</u> normal activity verified, <u>THEN</u> direct I&C to check operability of R-9, letdown line monitor, <u>AND</u> return to normal operations. 		

STEP	ACTION/EXPECTED RESPONSE	RESPONSE NOT OBTAINED
2	Increase Letdown Flow To 60 GPM:	
	a. Verify deborating DI isolated - DIVERT VLV CATION DEBOR DI AOV-244 IN BYPASS POSITION	a. Place AOV-244 in bypass position.
	b. Place letdown controllers in MANUAL at 40% <ul style="list-style-type: none"> • TCV-130 • PCV-135 	
	c. Increase letdown flow as follows:	
	1) Close letdown orifice valve (AOV-200A or AOV-200B)	
	2) Immediately open 60 gpm letdown orifice valve, AOV-202	
	d. Adjust low pressure letdown pressure to approximately 250 psig	
	e. Place TCV-130 in AUTO at 105°F	
	f. Place PCV-135 in AUTO at 250 psig	
	g.. Adjust charging pump speed and HCV-142 as necessary	

STEP	ACTION/EXPECTED RESPONSE	RESPONSE NOT OBTAINED
3	Check Letdown Line Monitor, R-9 - LESS THAN 200 MR/HR ABOVE BACKGROUND	Evaluate conditions to determine whether local radiation emergency exists (Refer to EPIP 1-13, LOCAL RADIATION EMERGENCY).
<p>***** <u>CAUTION</u> PLACING A NEW DI IN SERVICE MAY RESULT IN A POSITIVE OR NEGATIVE REACTIVITY ADDITION DUE TO A BORON CHANGE. *****</p>		
4	Direct HP Tech To Sample Letdown DI Efficiency - DECONTAMINATION FACTOR GREATER THAN 10	<u>IF</u> DI efficiency is <u>NOT</u> acceptable, <u>THEN</u> place a new mixed bed in service (Refer to S-3.2B, PLACING A MIXED BED DEMINERALIZER IN SERVICE - BORON CONCENTRATION DIFFERENT THAN RCS).
5	Evaluate AUX BLDG Radiation Levels: a. Direct HP to survey AUX BLDG b. Check AUX BLDG radiation monitors - NORMAL • R-4 • R-9 • R-10B • R-13 • R-14	b. Perform the following: 1) Direct HP Tech to survey AUX BLDG areas as necessary. 2) Evaluate conditions to determine whether local radiation emergency exists (Refer to EPIP 1-13, LOCAL RADIATION EMERGENCY).

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STEP	ACTION/EXPECTED RESPONSE	RESPONSE NOT OBTAINED
6	Determine If Plant Operation Can Continue (Consult Plant staff if necessary) - OPERATION CAN CONTINUE	IF plant shutdown is required, THEN refer to 0-2.1, NORMAL SHUTDOWN TO HOT SHUTDOWN.
NOTE: Refer to 0-9.3, NRC IMMEDIATE NOTIFICATION, for reporting requirements.		
7	Notify Higher Supervision	
-END-		