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JOSEPH A. WIDAY
VICE PRESIDENT & PLANT MANAGER
GINNA STATION

April 1, 2002

U.S. Nuclear Regulatory Commission
Document Control Desk
Attn: Robert Clark
Project Directorate I
Washington, D.C. 20555

Subject: Emergency Operating Procedures
R.E. Ginna Nuclear Power Plant
Docket No. 50-244

Dear Mr. Clark:

As requested, enclosed are Ginna Station Emergency Operating Procedures.

Very truly yours,

Joseph A. Widay

Joseph A. Widay

JAW/jdw

xc: U.S. Nuclear Regulatory Commission
Region I
475 Allendale Road
King of Prussia, PA 19406-1415

Ginna USNRC Senior Resident Inspector

Enclosure(s):

AP Index
AP-RCS.3, Rev 9
AP-SW.2, Rev 1

A045

PARAMETERS: DOC TYPES - PRAR PRAP STATUS: EF QU 5 YEARS ONLY:

PROCEDURE NUMBER	PROCEDURE TITLE	REV	EFFECT DATE	LAST REVIEW	NEXT REVIEW	ST
AP-CCW.1	LEAKAGE INTO THE COMPONENT COOLING LOOP	014	01/09/01	05/01/98	05/01/03	EF
AP-CCW.2	LOSS OF CCW DURING POWER OPERATION	015	09/14/01	08/17/99	08/17/04	EF
AP-CCW.3	LOSS OF CCW - PLANT SHUTDOWN	013	09/14/01	08/17/99	08/17/04	EF
AP-CR.1	CONTROL ROOM INACCESSIBILITY	017	05/11/01	01/11/00	01/11/05	EF
AP-CVCS.1	CVCS LEAK	012	05/01/98	05/01/98	05/01/03	EF
AP-CVCS.3	LOSS OF ALL CHARGING FLOW	002	02/11/00	02/26/99	02/26/04	EF
AP-CW.1	LOSS OF A CIRC WATER PUMP	010	07/16/98	05/01/98	05/01/03	EF
AP-ELEC.1	LOSS OF 12A AND/OR 12B BUSSES	022	10/31/01	05/01/98	05/01/03	EF
AP-ELEC.2	SAFEGUARD BUSSES LOW VOLTAGE OR SYSTEM LOW FREQUENCY	009	03/22/99	03/22/99	03/22/04	EF
AP-ELEC.3	LOSS OF 12A AND/OR 12B TRANSFORMER (BELOW 350 F)	010	10/31/01	05/01/98	05/01/03	EF
AP-ELEC.14/16	LOSS OF SAFEGUARDS BUS 14/16	003	03/15/01	01/22/02	01/22/07	EF
AP-ELEC.17/18	LOSS OF SAFEGUARDS BUS 17/18	003	10/31/01	01/22/02	01/22/07	EF
AP-FW.1	PARTIAL OR COMPLETE LOSS OF MAIN FEEDWATER	012	02/11/00	02/27/98	02/27/03	EF
AP-IA.1	LOSS OF INSTRUMENT AIR	017	12/02/99	05/01/98	05/01/03	EF
AP-PRZR.1	ABNORMAL PRESSURIZER PRESSURE	012	03/26/01	12/02/99	12/02/04	EF
AP-RCC.1	CONTINUOUS CONTROL ROD WITHDRAWAL/INSERTION	007	05/22/01	05/14/98	05/14/03	EF
AP-RCC.2	RCC/RPI MALFUNCTION	009	09/14/01	01/22/02	01/22/07	EF
AP-RCC.3	DROPPED ROD RECOVERY	004	11/16/98	02/27/98	02/27/03	EF
AP-RCP.1	RCP SEAL MALFUNCTION	013	06/09/00	05/01/98	05/01/03	EF
AP-RCS.1	REACTOR COOLANT LEAK	015	09/08/00	05/01/98	05/01/03	EF
AP-RCS.2	LOSS OF REACTOR COOLANT FLOW	010	12/14/98	05/01/98	05/01/03	EF
AP-RCS.3	HIGH REACTOR COOLANT ACTIVITY	009	04/01/02	01/22/02	01/22/07	EF
AP-RCS.4	SHUTDOWN LOCA	011	12/02/99	05/01/98	05/01/03	EF
AP-RHR.1	LOSS OF RHR	016	09/14/01	05/01/98	05/01/03	EF

PARAMETERS: DOC TYPES - PRAR PRAP STATUS: EF QU 5 YEARS ONLY:

PROCEDURE NUMBER	PROCEDURE TITLE	REV	EFFECT DATE	LAST REVIEW	NEXT REVIEW	ST
AP-RHR.2	LOSS OF RHR WHILE OPERATING AT RCS REDUCED INVENTORY CONDITIONS	010	09/14/01	03/31/00	03/31/05	EF
AP-SG.1	STEAM GENERATOR TUBE LEAK	001	07/18/01	09/08/00	09/08/05	EF
AP-SW.1	SERVICE WATER LEAK	016	10/31/01	06/03/98	06/03/03	EF
AP-SW.2	LOSS OF SERVICE WATER	001	04/01/02	10/31/01	10/31/06	EF
AP-TURB.1	TURBINE TRIP WITHOUT RX TRIP REQUIRED	010	02/12/99	01/22/02	01/22/07	EF
AP-TURB.2	TURBINE LOAD REJECTION	017	02/11/00	05/13/98	05/13/03	EF
AP-TURB.3	TURBINE VIBRATION	010	02/11/00	02/10/98	02/10/03	EF
AP-TURB.4	LOSS OF CONDENSER VACUUM	014	05/01/98	05/01/98	05/01/03	EF
AP-TURB.5	RAPID LOAD REDUCTION	005	06/09/00	06/09/00	06/09/05	EF

TOTAL FOR PRAP 33

ROCHESTER GAS AND ELECTRIC CORPORATION

GINNA STATION

CONTROLLED COPY NUMBER 23

RESPONSIBLE MANAGER

4-1-2002

EFFECTIVE DATE

CATEGORY 1.0

REVIEWED BY: _____

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 .64 µCi/gm at 40 gpm letdown or GREATER THAN .46 µCi/gm at 60 gpm letdown
or

c. Sampling indicates gross degassed activity GREATER THAN 20 µCi/gm, or

d. Sampling indicates that total specific activity exceeds 100/E.

STEP	ACTION/EXPECTED RESPONSE	RESPONSE NOT OBTAINED

NOTE: Conditions should be evaluated for site contingency reporting (Refer to EPIP-1.0, GINNA STATION EVENT EVALUATION AND CLASSIFICATION.

1	Verify RCS Activity:	
	a. Direct RP Tech to sample RCS for activity	
	b. RCS activity - GREATER THAN NORMAL	b. IF normal activity verified, THEN return to procedure or guidance in effect.
2	Increase Letdown Flow To 60 GPM (Refer to S-3.2P, SWAPPING CVCS LETDOWN ORIFICE VALVES)	
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).

* *

CAUTION

PLACING A NEW DI IN SERVICE MAY RESULT IN A POSITIVE OR NEGATIVE REACTIVITY ADDITION DUE TO A BORON CHANGE.

* *

4	Direct RP Tech To Sample Letdown DI Efficiency - DECONTAMINATION FACTOR GREATER THAN 10	IF DI efficiency is NOT acceptable, THEN place a new mixed bed in service (Refer to S-3.2B, PLACING A MIXED BED DEMINERALIZER IN SERVICE - BORON CONCENTRATION DIFFERENT THAN RCS).

STEP	ACTION/EXPECTED RESPONSE	RESPONSE NOT OBTAINED
5	Evaluate AUX BLDG Radiation Levels: a. Direct RP Tech 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 RP 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).
6	Check MCB Annunciator Panels - ALARM STATUS VALID FOR PLANT CONDITIONS	Perform alarm response procedures for unexpected alarms.
7	Determine If Plant Operation Can Continue (Consult Plant staff if necessary) - OPERATION CAN CONTINUE • RP Supervision • Chemistry Supervision • Reactor Engineer	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.

8 Notify Higher Supervision

-END-

ROCHESTER GAS AND ELECTRIC CORPORATION

GINNA STATION

CONTROLLED COPY NUMBER 23

RESPONSIBLE MANAGER

4-1-2002

EFFECTIVE DATE

CATEGORY 1.0

REVIEWED BY: _____

A. PURPOSE - This procedure provides the necessary instructions to respond to a loss of service water pumps.

B. ENTRY CONDITIONS/SYMPTOMS

1. ENTRY CONDITIONS - This procedure is entered from:

   a. AP-ELEC.17/18, LOSS OF SAFEGUARDS BUS 17/18.

   b. Any of several EOPs, when only one SW pump can be operated.

2. SYMPTOMS - The symptoms of LOSS OF SERVICE WATER PUMPS are:

   a. Service water header pressure low alarms on computer, or

   b. Annunciator C-2, CONTAINMENT RECIRC CLRS WATER OUTLET HI TEMP 217°F, lit, or

   c. Annunciator C-10, CONTAINMENT RECIRC CLRS WATER OUTLET LO FLOW 1050 GPM, lit, or

   d. Annunciator H-6, CCW SERVICE WATER LOW FLOW 1000 GPM, lit, or

   e. Annunciator H-9, AUXILIARY FEED PUMP CLG WTR FLTR HI DIFF PRESS, lit, or

   f. Annunciator I-10, CW PUMP SEAL WATER LO FLOW, lit, or

   g. Annunciator J-4, GENERATOR ISOPHASE BUS COOLING SYSTEM, lit, or

   h. Annunciator J-9, SAFEGUARD BREAKER TRIP, lit, or

   i. Annunciator K-30, TURBINE PLANT SAMPLING RACK TROUBLE, lit.

STEP	ACTION/EXPECTED RESPONSE	RESPONSE NOT OBTAINED
1	Verify 480V AC Emergency Busses 17 and 18 - ENERGIZED	Ensure associated D/G(s) running and attempt to manually load busses 17 and/or 18 onto their respective D/G(s). IF neither bus 17 nor bus 18 can be energized, THEN go to ECA-0.0, LOSS OF ALL AC POWER.

STEP	ACTION/EXPECTED RESPONSE	RESPONSE NOT OBTAINED
* 2	Verify SW Pump Alignment:	
	a. Check at least one SW pump running in each loop • A or B pump in loop A • C or D pump in loop B	a. Perform the following: 1) Manually start SW pumps as necessary (257 kw each). 2) IF adequate cooling can NOT be supplied to a running D/G, THEN perform the following: a) Trip affected D/G b) Immediately depress voltage shutdown pushbutton 3) IF no SW pumps can be operated, THEN perform the following: a) Close letdown isol, AOV-427 b) Trip the reactor c) Trip BOTH RCPs d) Go to E-0, REACTOR TRIP OR SAFETY INJECTION 4) IF only one SW pump can be operated, THEN go to step 3. 5) IF at least two SW pumps can be operated, THEN go to step 8.
	b. Return to procedure or guidance in effect	

STEP	ACTION/EXPECTED RESPONSE	RESPONSE NOT OBTAINED

3 Align Alternate Cooling To One D/G (Refer to ER-D/G.2, ALTERNATE COOLING EMERGENCY D/Gs):

- o IF A or C SW Pump is operating, THEN align alternate cooling to D/G B

-OR-

- o IF B or D SW Pump is operating, THEN align alternate cooling to D/G A

4 Isolate SW To Non-Essential Loads

a. Close screenhouse SW isolation valves

- MOV-4609
- MOV-4780

b. Close air conditioning SW isolation valves

- MOV-4663
- MOV-4733

c. Direct AO to perform Part C of ATT-2.2, Attachment SW ISOLATION

STEP	ACTION/EXPECTED RESPONSE	RESPONSE NOT OBTAINED
5	Monitor Plant Equipment Cooled By SW - TEMPERATURES STABLE • Exciter • MFP oil coolers • Instrument air compressors • Bus duct coolers • Seal Oil unit • Turbine lube oil cooler • CCW Hx • SFP Hx • AFPs • Condensate Pumps • Secondary sample coolers	IF required, THEN reduce load as necessary to stabilize equipment temperatures (Refer to O-5.1, LOAD REDUCTIONS, or AP-TURB.5, RAPID LOAD REDUCTION)
6	Notify Higher Supervision	

STEP	ACTION/EXPECTED RESPONSE	RESPONSE NOT OBTAINED
7	Check SW System Status:	
	a. Check SW loop header pressures: o PPCS SW low pressure alarm status - NOT LOW • PPCS point ID P2160 • PPCS point ID P2161 o Pressure in both loops - STABLE OR INCREASING o Check SW loop header pressures - GREATER THAN 40 PSIG	a. Locally isolate selected SW loads as desired (Refer to ATT-2.2, ATTACHMENT SW ISOLATION)
	b. Check at least one SW pump running in each loop: • A or B pump in loop A • C or D pump in loop B	b. Perform the following: 1) Continue efforts to start at least one SW pump in each loop. 2) IF at least two SW pumps can be operated, THEN go to Step 8. IF NOT, THEN return to step 3.
8	Notify Higher Supervision	
9	Select Operable SW Pumps For Auto Start	Refer to ITS LCO 3.7.8

STEP	ACTION/EXPECTED RESPONSE	RESPONSE NOT OBTAINED
10	Check MCB Annunciator Panels - ALARM STATUS VALID FOR PLANT CONDITIONS	Perform alarm response procedures for unexpected alarms.
11	Return To Procedure or Guidance In Effect	

-END-

AP-SW.2 APPENDIX LIST

	TITLE
1)	ATTACHMENT SW ISOLATION (ATT-2.2)