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JOSEPH A. WIDAY
VICE PRESIDENT & PLANT MANAGER
GINNA STATION

June 20, 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

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):

ATT Index
ATT-8.2, Rev 8
ATT-17.0, Rev 14

A002

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

PROCEDURE NUMBER	PROCEDURE TITLE	REV	EFFECT DATE	LAST REVIEW	NEXT REVIEW	ST
ATT-1.0	ATTACHMENT AT POWER CCW ALIGNMENT	002	05/02/02	02/10/98	02/10/03	EF
ATT-1.1	ATTACHMENT NORMAL CCW FLOW	000	05/18/00	05/18/00	05/18/05	EF
ATT-2.1	ATTACHMENT MIN SW	005	02/01/01	02/10/98	02/10/03	EF
ATT-2.2	ATTACHMENT SW ISOLATION	008	03/06/02	08/11/98	08/11/03	EF
ATT-2.3	ATTACHMENT SW LOADS IN CNMT	004	03/06/02	12/31/99	12/31/04	EF
ATT-2.4	ATTACHMENT NO SW PUMPS	001	01/08/02	10/31/01	10/31/06	EF
ATT-3.0	ATTACHMENT CI/CVI	006	03/06/02	01/06/99	01/06/04	EF
ATT-3.1	ATTACHMENT CNMT CLOSURE	004	03/06/02	01/25/99	01/25/04	EF
ATT-4.0	ATTACHMENT CNMT RECIRC FANS	003	07/26/94	05/13/98	05/13/03	EF
ATT-5.0	ATTACHMENT COND TO S/G	005	03/06/02	12/31/99	12/31/04	EF
ATT-5.1	ATTACHMENT SAFW	008	05/30/02	12/31/99	12/31/04	EF
ATT-5.2	ATTACHMENT FIRE WATER COOLING TO TDAFW PUMP	003	01/14/99	01/14/99	01/14/04	EF
ATT-6.0	ATTACHMENT COND VACUUM	003	12/18/96	02/10/98	02/10/03	EF
ATT-7.0	ATTACHMENT CR EVAC	006	03/06/02	02/10/98	02/10/03	EF
ATT-8.0	ATTACHMENT DC LOADS	006	03/22/99	01/14/99	01/14/04	EF
ATT-8.1	ATTACHMENT D/G STOP	005	03/06/02	02/10/98	02/10/03	EF
ATT-8.2	ATTACHMENT GEN DEGAS	008	06/20/02	08/17/99	08/17/04	EF
ATT-8.3	ATTACHMENT NONVITAL	004	03/06/02	02/10/98	02/10/03	EF
ATT-8.4	ATTACHMENT SI/UV	005	03/06/02	02/10/98	02/10/03	EF
ATT-8.5	ATTACHMENT LOSS OF OFFSITE POWER	000	05/02/02	05/02/02	05/02/07	EF
ATT-9.0	ATTACHMENT LETDOWN	008	03/06/02	03/06/02	03/06/07	EF
ATT-9.1	ATTACHMENT EXCESS L/D	005	03/06/02	10/31/01	10/31/06	EF
ATT-10.0	ATTACHMENT FAULTED S/G	006	03/06/02	05/13/98	05/13/03	EF
ATT-11.0	ATTACHMENT IA CONCERNS	002	04/07/97	08/11/98	08/11/03	EF

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

PROCEDURE NUMBER	PROCEDURE TITLE	REV	EFFECT DATE	LAST REVIEW	NEXT REVIEW	ST
ATT-11.1	ATTACHMENT IA SUPPLY	003	03/06/02	08/11/98	08/11/03	EF
ATT-11.2	ATTACHMENT DIESEL AIR COMPRESSOR	002	05/11/01	04/03/98	04/03/03	EF
ATT-12.0	ATTACHMENT N2 PORVS	004	03/06/02	02/10/98	02/10/03	EF
ATT-13.0	ATTACHMENT NC	002	07/26/94	02/10/98	02/10/03	EF
ATT-14.0	ATTACHMENT NORMAL RHR COOLING	003	03/06/02	09/23/99	09/23/04	EF
ATT-14.1	ATTACHMENT RHR COOL	005	01/08/02	01/08/02	01/08/07	EF
ATT-14.2	ATTACHMENT RHR ISOL	002	03/06/02	02/10/98	02/10/03	EF
ATT-14.3	ATTACHMENT RHR NPSH	003	03/06/02	01/06/99	01/06/04	EF
ATT-14.5	ATTACHMENT RHR SYSTEM	002	07/26/94	02/10/98	02/10/03	EF
ATT-14.6	ATTACHMENT RHR PRESS REDUCTION	002	03/06/02	01/14/99	01/14/04	EF
ATT-15.0	ATTACHMENT RCP START	009	03/06/02	03/17/00	03/17/05	EF
ATT-15.1	ATTACHMENT RCP DIAGNOSTICS	003	04/24/97	02/10/98	02/10/03	EF
ATT-15.2	ATTACHMENT SEAL COOLING	005	03/06/02	02/10/98	02/10/03	EF
ATT-16.0	ATTACHMENT RUPTURED S/G	011	07/18/01	01/11/00	01/11/05	EF
ATT-16.1	ATTACHMENT SGTL	002	03/06/02	09/08/00	09/08/05	EF
ATT-16.2	ATTACHMENT RCS BORON FOR SGTL	002	04/09/02	09/08/00	09/08/05	EF
ATT-17.0	ATTACHMENT SD-1	014	06/20/02	02/29/00	02/28/05	EF
ATT-17.1	ATTACHMENT SD-2	006	03/06/02	01/30/01	01/30/06	EF
ATT-18.0	ATTACHMENT SFP - RWST	005	03/06/02	02/10/98	02/10/03	EF
ATT-20.0	ATTACHMENT VENT TIME	003	07/26/94	02/10/98	02/10/03	EF
ATT-21.0	ATTACHMENT RCS ISOLATION	002	03/06/02	02/10/98	02/10/03	EF
ATT-22.0	ATTACHMENT RESTORING FEED FLOW	003	05/02/02	01/22/02	01/22/07	EF
ATT-23.0	ATTACHMENT TRANSFER 4160V LOADS	000	02/26/99	02/26/99	02/26/04	EF
ATT-24.0	ATTACHMENT TRANSFER BATTERY TO TSC	000	09/08/00	09/08/00	09/08/05	EF

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

PROCEDURE NUMBER	PROCEDURE TITLE	REV	EFFECT DATE	LAST REVIEW	NEXT REVIEW	ST
ATT-26.0	ATTACHMENT RETURN TO NORMAL OPERATIONS	000	10/31/01	10/31/01	10/31/06	EF

TOTAL FOR PRATT 49

EOP: ATT-8.2	TITLE: ATTACHMENT GEN DEGAS	REV: 8 PAGE 1 of 2

Responsible Manager [signature] Date 6-20-2002

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CAUTION

OBSERVE ALL NORMAL PRECAUTIONS FOR HANDLING EXPLOSIVE MIXTURES OF HYDROGEN IN AIR.

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NOTE: Locked valve key is required.

1. Close all H2 manifold bottle stops.
   - o Valve V-6994A
   - o Valve V-6994B
   - o Valve V-6995
   - o Valve V-6998

2. Close H2 regulator isolation valve, V-6995X (gas bottle house).

3. Isolate hydrogen feed by closing valve V-6994K and V-6999C (TURB BLDG below generator).

4. Connect the CO^2 feed to the bottom of the generator by opening valve V-6994G (TURB BLDG below generator).

5. Open vent from top of generator, valve V-6994J (TURB BLDG below generator).

6. Open vent isolation valve, V-6995P, to initiate H2 release through vent line (TURB BLDG below generator).

7. Ensure 4 CO^2 bottles connected to CO^2 manifold.

8. Fully open CO^2 manifold header stop valve, V-6999A (Gas Bottle House).

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CAUTION

DO NOT ALLOW MACHINE PRESSURE TO EXCEED 5 PSIG ON PI-2805 DURING THE TIME CO^2 IS BEING ADMITTED.

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9. WHEN generator pressure is less than 5 psig, as indicated on PI-2805 (TURB BLDG below generator), THEN open all CO^2 bottle stops fully to admit CO^2 to generator WHILE maintaining $\leq$ 5 psig generator pressure.
   - o V-6993C
   - o V-6999
   - o V-6999B
   - o V-6998A

10. Adjust vent isolation V-6995P OR isolate CO2 bottles as necessary to maintain 3 - 5 psig pressure as indicated on PI-2805.

11. Purge a minimum of 20 CO^2 cylinders through the generator.

12. WHEN the purge is complete, THEN close CO^2 bottle stops.
    - o V-6993C
    - o V-6999
    - o V-6999B
    - o V-6998A

13. Close CO^2 manifold header stop valve, V-6999A (Gas Bottle House).

14. Close CO^2 feed to generator, V-6994G (Turb Bldg below generator).

15. Unlock and open the breaker for the DC airside seal oil backup pump (DCPDPTB03, position #4 [airside seal oil backup pump] in TURB BLDG basement, east wall by condensate booster pumps).

16. WHEN conditions permit, THEN refer to T-31.2, REMOVING HYDROGEN WITH CO^2 ; REMOVING CO^2 WITH INSTRUMENT AIR, to complete purging CO^2 with air.

EOP:	TITLE:	REV: 14
ATT-17.0	ATTACHMENT SD-1	PAGE 1 of 3

Responsible Manager _____ Date 6-20-2002

Perform the following local actions to complete normal secondary system shutdown:

- Close reheater 4th pass temperature control valves:
  - V-2432 (SW corner 1A MSR)
  - V-2433 (SW corner 1B MSR)
  - V-2434 (SW corner 2A MSR)
  - V-2435 (SW corner 2B MSR)

- Close reheater steam chain valves:
  - V-3550 (SW of 1B MSR)
  - V-3551 (SW of 1B MSR)
  - V-3552 (NW of 1A MSR)
  - V-3553 (NW of 1A MSR)

- Open Reheater steamline vents (SW corner of condenser, middle floor):
  - V-8500
  - V-8501
  - V-8502
  - V-8504
  - V-8505

- Open Reheater steamline vents (SW corner of condenser, above walkway):
  - V-8506
  - V-8507
  - V-8508
  - V-8509

- Locally close flange heating isolation valves:
  - MOV-3601A (TB Middle Lvl East of TURB Lube Oil Reservoir)
  - MOV-3602A

NOTE: IF either S/G pressure is LESS THAN condensate header pressure, THEN manual isolation of the MFW regulating and bypass valves should be considered before aligning for cooldown recirculation.

- Open the following valves to align for condensate feed system cooldown RECIRC:
  - V-3982B (at #5 heater outlet header)
  - V-3983B (at #5 heater outlet header)
  - V-4363 (at #5 heater outlet header)
  - V-4365 (by MFW regulating valves)
  - V-4361 (southwest corner of condenser, middle floor)
  - V-3976A MFP A discharge valve bypass valve
  - V-3977A MFP B discharge valve bypass valve

- Secure all 5 secondary chemical addition pumps on TURB BLDG middle floor by #5 heaters.

- Secure all 3 ammonia pumps, TURB BLDG basement by MCC A.

- Secure the Ethanolamine (ETA) injection pump, TURB BLDG basement by turbine lube oil purifier.

- Open Turbine Extraction Line Drain AOV-3850 isolation valve V-3884 (Turb Bldg Basement west platform, north end)

- Open Turbine Extraction Line Drain AOV-3845 isolation valve V-3883 (Turb Bldg Basement west platform, north end)

- Isolate SW from the following coolers:
  - MFW Pump Oil Coolers (MFW pump room)
    - V-4703
    - V-4704
  - Exciter Air Cooler:
    - V-4679B (chain valve next to condensate transfer pump)
  - Bus Duct Air Cooler (TURB BLDG basement East of bus duct cooler)
    - V-4674
    - V-4674C (mini bypass around V-4674)

- Throttle SW as necessary from following coolers:
  - Generator Seal Oil Unit Coolers (H2 side and air side):
    - V-4676A (mini bypass disch valve inside seal oil enclosure Bldg. NW corner)
    - V-4677A (mini bypass disch valve inside seal oil enclosure Bldg. NW corner)
  - Main Lube Oil Coolers (SW corner of Turb Oil Reservoir)
    - V-4691
    - V-4692

- IF HDT Pump A seal injection orifice is in service, THEN perform the following to place the HDT Pump A seal injection bypass line (and filter FGS02A) in service and isolate the orifice line as follows (north side of HDT Pump A):

  1. Ensure closed HDT Pump A bypass filter outlet valve, V-3709C.

  2. Slowly open HDT Pump A bypass filter inlet isolation, V-3907F.

  3. Slowly throttle open HDT Pump A bypass filter outlet valve, V-3709C WHILE concurrently closing HDT Pump A orifice line outlet valve, V-3709B to maintain approximately 1 gpm seal injection flow (FAL-3799A).

- o IF HDT Pump B seal injection orifice is in service, THEN perform the following to place the HDT Pump B seal injection bypass line (and filter FGS02B) in service and isolate the orifice line as follows (south side of HDT Pump B):

  1. Ensure closed HDT Pump B bypass filter outlet valve, V-3710C.

  2. Slowly open HDT Pump B bypass filter inlet isolation, V-3910F.

  3. Slowly throttle open HDT Pump B bypass filter outlet valve, V-3710C WHILE concurrently closing HDT Pump B orifice line outlet valve, V-3710B to maintain approximately 1 gpm seal injection flow (FAL-3799B).

- o WHEN the turbine shaft stops, THEN notify Control Room. Control Room personnel will determine if adequate power (36 KW) available to start turning gear.

- o Transfer house heating steam to house heating boiler if necessary (refer to T-35H, NUCLEAR HOUSE HEATING STEAM TO BOILER STEAM SUPPLY CHANGE).

- o Align S/G blowdowns as follows:

  1. Secure blowdown to the condenser per T-14G, STEAM GENERATOR BLOWDOWN HEAT RECOVERY SYSTEM SHUTDOWN.

  2. Verify S/G releases are in effect. IF NOT, THEN ensure releases are in effect before performing the next step.

  3. Align Steam Generator Blowdown Flash Tank drains to the discharge canal per T-14F.1, SG BLOWDOWN ALIGNMENT TO DISCHARGE CANAL.

- o Restore MAKEUP to CSTs as directed by Control Room.