

CATEGORY 1

UNIT 2(3)
DOA 5750-01
REVISION 20

VENTILATION SYSTEM FAILURE

REQUIREMENTS:

NONE.

AUTHORIZED FOR USE

MOD NO
W/R NO

NOV 16 1999

N/A
11-16-99
[Signature]

INFORMATION ONLY

TECHNICAL REVIEW AND CONTROL

Disciplines	NPPT	RO	RE/QNE	CH	RS	I&C	M&ES
Required:	[X]	[X]	[]	[]	[]	[]	[X]

Unit 1 Review Required: [] YES [X] NO

Special Reviews: NONE.

PLANT OPERATIONS REVIEW COMMITTEE (PORC):

PORC REQUIRED [] YES [X] NO

APPROVAL AUTHORITY: Shift Operations Supervisor (SOS), or designee.

POST PERFORMANCE REVIEWS:

NONE.

MAY 09 1999
EFFECTIVE DATE

CATEGORY 1UNIT 2(3)
DOA 5750-01
REVISION 20

50-237

VENTILATION SYSTEM FAILURE**A. SYMPTOMS:**

1. Ventilation system alarms annunciate on Panels 902(3)-4, 902(3)-54, 923-1, 923-5, OR 9400-105.
2. Any Group II Isolation Signal
3. Bus 28(38) OR Bus 29(39) undervoltage.
4. AEER Temperature >88 F.

B. AUTOMATIC ACTIONS:

1. Reactor Building Ventilation System isolates AND Standby Gas Treatment System auto-starts on any of the following:
 - a. Greater than 4 mR/hr in the Reactor Building Ventilation System exhaust duct.
 - b. Greater than 100 mR/hr on the Refuel floor.
 - c. Greater than 2 psig drywell pressure.
 - d. Less than +8 inches reactor water level.
 - e. Greater than 100 R/hr in drywell.
2. Standby ventilation system fans for Reactor Bldg., Turbine Bldg., Recirc MG-Set, Reactor Feed Pumps, and Recombiner Room Ventilation Systems will auto-start following a trip of the running fan.
3. The following fans are load shed upon receipt of an ECCS signal (i.e., -59" reactor water level OR +2 psig drywell pressure):
 - Drywell Cooler Fans
 - Recirculation MG-Set Vent Fans
 - South Turbine Room Vent Fans

CATEGORY 1UNIT 2(3)
DOA 5750-01
REVISION 20

4. The following fans trip AND remain tripped if an undervoltage condition occurs on Bus 28(38) or 29(39):

- Recirculation MG-Set Vent Fans
- South Turbine Room Vent Fans
- Reactor Building Supply AND Exhaust Fans

C. IMMEDIATE OPERATOR ACTIONS:

NONE.

D. SUBSEQUENT OPERATOR ACTIONS:

1. Verify available standby fans start.
 2. Monitor affected plant equipment and areas.
 3. Start the affected ventilation fans, as desired.
- a. IF fan trip was due to Bus 28(38) OR Bus 29(39) undervoltage, THEN perform the following to re-start affected fans:

- (1) WHEN power has been restored to Bus 28(38) OR Bus 29(39), THEN reset bus undervoltage (UV) relays from either of the following locations:

For Bus 28(38):

- In back of panel 902(3)-8, depress pushbutton 2(3)-7140-12, BUS 28(38) UV RESET.

OR

- At Bus 28(38), depress pushbutton, UNDER VOLTAGE RESET PB.

For Bus 29(39):

- In back of panel 902(3)-8, depress pushbutton 2(3)-7240-12, BUS 29(39) UV RESET.

OR

- At Bus 29(39), depress pushbutton. UNDER VOLTAGE RESET PB.

CATEGORY 1UNIT 2(3)
DOA 5750-01
REVISION 20

- (2) Re-start affected fans (Rx Bldg Vent & Exhaust, S. Turb Bldg Vent, or Recirc MG-Set Vent).

NOTE

During a Loss Of Coolant Accident (LOCA), Control Room HVAC must be isolated AND an Air Filtration Unit (AFU) Booster Fan started WITHIN 40 MINUTES. °(W-3)

4. IF a LOOP/LOCA event occurs, THEN perform the following:
- a. WHEN power has been restored to Bus 29, THEN reset Bus 29 undervoltage (UV) relays from either of the following locations:
- (1) In back of panel 902-8, depress pushbutton 2-7240-12, BUS 29 UV RESET.
- OR
- (2) At Bus 29, depress pushbutton, UNDER VOLTAGE RESET PB.
- b. Inside the back of panel 2/3-9400-103 U2/3 Control Room HVAC Toxic Gas Analyzer (Train B HVAC room), pull relays K3 AND K7 to disable lockout of AFU booster fans (lockout due to loss of power to analyzer).
- c. At panel 2/3-9400-105 Standby HVAC System Control (Train B HVAC room), CLOSE bkr control switch, MCC 29-B FDR Breaker.
- d. At Panel 923-5, isolate Control Room by placing CONTROL ROOM ISOLATION switch to ISOLATE and release.

CATEGORY 1UNIT 2(3)
DOA 5750-01
REVISION 20**NOTE**

1. IF Instrument Air is lost, THEN ensure booster fan outlet damper is manually throttled open immediately after starting the booster fan to prevent a breaker thermal trip (damper located directly above booster fan, in Train B HVAC room).
2. Flow indicator 2/3-5741-36/38 green pen, INLET FLOW, is located on Panel 2/3-9400-105, Standby HVAC System Control (Train B HVAC room).

- e. At Panel 923-5, start Air Filtration Unit (AFU) by placing AIR FLTR UNIT BOOSTER FAN A/B control switch in either FAN A OR FAN B position.
- f. IF Instrument Air is lost to booster fan outlet dampers, THEN manually throttle flow to 2000 (-10%) scfm (flow indicator 2/3-5741-36/38 green pen, INLET FLOW) using damper red handle for the appropriate damper, listed below:
 - (1) For 'A' booster fan: 2/3-5741-055 Unit 2/3 Air Filtration Unit Supply Air Damper.
 - (2) For 'B' booster fan: 2/3-5741-056 Unit 2/3 Air Filtration Unit Supply Air Damper.
- g. Verify Train B Control Room HVAC (AHU) starts (DOP 5750-05).
 1. IF Train B Control Room HVAC (AHU) does NOT start, THEN go to step D.7. below. (W-4)
- h. Perform Step D.9. to restore cooling to the AEER.

CATEGORY 1

UNIT 2(3)
DOA 5750-01
REVISION 20

CAUTION

Carefully re-install Toxic Gas Analyzer relays. Jarring the relay could momentarily trip the AFU Booster Fan.

- D. 4. i. WHEN power is restored to panel 2/3-9400-103 U2/3 Control Room HVAC Toxic Gas Analyzer (Regular Lighting Cabinet RLC #12A), THEN re-install relays K3 AND K7.
- j. WHEN Instrument Air is restored, THEN restore throttled AFU Booster Fan outlet damper to normal, by fully backing-off on the damper red handle (Instrument Air should maintain damper full open).
5. IF a LOCA event occurs, THEN
- a. Go to step D.5.c.:
- OR
- b. IF a LOCA event occurs and the 2/3A TRAIN CRM AIR HANDLING UNIT and RETURN AIR FAN are operating with MCC 29-8 OOS and Temp Alt installed in accordance with DOA5750-01, THEN go to step D.5.f.:
- c. At Panel 923-5, isolate Control Room by placing CONTROL ROOM ISOLATION switch to ISOLATE and release.

NOTE

Flow indicator 2/3-5741-36/38 green pen, INLET FLOW, is located on panel 2/3-9400-105 Standby HVAC System Control (Train B HVAC room). This indicator can be used to determine if the Air Filtration Unit (AFU) is operating (normal flow is 2000 scfm).

- d. At Panel 923-5, start Air Filtration Unit (AFU) by placing AIR FLTR UNIT BOOSTER FAN A/B control switch in either FAN A OR FAN B position.
- e. Verify Train B Control Room HVAC (AHU) starts (DOP 5750-05).
- ⊙(1) IF Train B Control Room HVAC (AHU) does NOT start, THEN go to step D.7. below. ⊙(W-4)

CATEGORY 1

UNIT 2(3)
DOA 5750-01
REVISION 20

NOTE

The following actions will isolate the control room from outside air to minimize Control Room exposure ONLY. Control Room AFU will not be available if MCC 29-8 OOS and Temp Alt installed in accordance with Figure 3.

- D. 5. f. IF the 2/3A TRAIN CRM AIR HANDLING UNIT and RETURN AIR FAN are operating with MCC 29-8 OOS and Temp Alt installed in accordance with DOA5750-01, THEN perform the following in CRM A Train HVAC Equipment Room, Elevation 549", to isolate the Control Room ventilation system:
- 1) Close instrument air isolation valve 2/3-4799-508 for XSV 2/3-5741-053B, both valves located on A Train supply duct ten feet east of Control Room A Train Chillers in Control Room A Train HVAC Equipment Room Elevation 549'.
 - 2) Remove plug of bleed off port of solenoid valve XSV 2/3-5741-053B to bleed air pressure from damper 2/3-5741-053B.

NOTE

IF MCC 29-8 is OOS and Temp Alt is installed in accordance with Figure 3, THEN Panel 2/3-9400-105, Control Room HVAC Local Panel, will not be powered for equipment statusing.

- 3) Verify damper 2/3-5741-053B physically has failed CLOSED, located between the east wall of elevation 549' Control Room A Train Equipment Room and A Train AHU, 2/3-5731.
 - 4) Replace plug in solenoid valve XSV-2/3-5741-053B bleed off port, located on bottom of solenoid valve..
6. IF a LOOP event occurs, THEN restore Control Room Ventilation as follows:
- a. WHEN power has been restored to Bus 29, THEN reset Bus 29 undervoltage (UV) relays from either of the following locations:
 - (1) In back of panel 902-8, depress pushbutton 2-7240-12, BUS 29 UV RESET.

OR

CATEGORY 1UNIT 2(3)
DOA 5750-01
REVISION 20

- (2) At Bus 29, depress pushbutton, UNDER VOLTAGE RESET PB.
- b. At panel 2/3-9400-105 Standby HVAC System Control (Train B HVAC room). CLOSE bkr control switch, MCC 29-8 FDR Breaker.
- (1) ° IF Bus 29 to MCC 29-8 breaker does NOT CLOSE, THEN go to step D.7. below.°(W-4)
- c. Verify Train B Control Room HVAC (AHU) starts (DOP 5750-05).
- (1) ° IF Train B Control Room HVAC (AHU) does NOT start, THEN go to step D.7. below.°(W-4)
- d. Perform Step D.9. to restore cooling to the AER.
7. ° IF Train B Control Room HVAC (AHU) does NOT auto start AND cannot be started manually, THEN perform the following:
- a. Go to Control Room DEOP Cabinet for Temporary Modification jumpers, fittings, and wrenches used in steps D.7.f. through D.7.i.
- b. Restore Service Water
- c. Restore TBCCW/Instrument Air
- d. Restore power to MCC 28-2.
- e. Restore power to MCC 26-4 (can also be fed from Bus 39).
- f. Install instrument air jumper for 2/3-5741-054 as indicated by Figure 3 and NSWP-A-21, Temporary Modifications, located in Control Room Train A HVAC room mounted on supply duct ten feet east of Control Room A Train Chillers, Elevation 549'.
- g. Install instrument air jumper for 2/3-5741-053A as indicated by Figure 3 and NSWP-A-21, Temporary Modifications, located in Control Room Train A HVAC room mounted on supply duct ten feet east of Control Room A Train Chillers., Elevation 549'.

CATEGORY 1UNIT 2(3)
DOA 5750-01
REVISION 20

- D. 7. h. Install instrument air jumper for 2/3-5741-053B as indicated by Figure 3 and NSWP-A-21. Temporary Modifications, located in Control Room Train A HVAC room mounted on supply duct ten feet east of Control Room A Train Chillers,, Elevation 549'.
- i. CLOSE instrument air isolation valve, 2/3-4799-507, upstream of XSV-2/3-5741-053A, , located in Control Room Train A HVAC room mounted on supply duct ten feet east of Control Room A Train Chillers,, Elevation 549'

CAUTION

Instrument Air Isolation Valve 2/3-4799-507 should only be opened to initiate Control Room Smoke Purge Mode of operations.

- j. Start Train A Control Room HVAC (AHU) (DOP 5750-05).
- k. IF Control Room air conditioning is needed, THEN start CRM A/C COMPR A (Bus 25) AND/OR CRM A/C COMPR B (Bus 26) as power is available (DOP 5750-05).^o(W-4)
- l. IF relays K3 and K7 were removed from the Toxic Gas Analyzer AND/OR the AFU Booster Fan outlet damper was manually throttled, THEN perform Steps D.4.i. and D.4.j. above, as applicable.
8. ^o IF a LOOP event occurs AND Main Control Room temperature >95 F, THEN perform the following to maintain Main Control Room temperature below 120 F: (See Figure 1, Control Room Doors To Be Opened During a LOOP Event, for door locations. Doors to be opened are circled.)
- a. Establish fire watches for doors opened in Steps 8.b., and 8.d. below. The posted security guard can be used as the fire watch at the affected security doors (DATR 3.1.6.1/DFPP 4100-03).

CATEGORY 1UNIT 2(3)
DOA 5750-01
REVISION 20

- b. Notify security to control access for the following Main Control Room doors (2 guards needed):
- (1) OPEN Main Control Room Door #37.
 - (2) OPEN Main Control Room Door #38.
- c. Open the Control Room kitchen, toilet, AND locker room doors. A fire watch is NOT required for Locker Room Door.
- d. Open corridor doors.
- e. Open ALL Panel doors in Main Control Room.
- f. IF a fire is spotted in the vicinity of any of the fire doors, THEN these doors should be closed to contain the fire. ©(W-1)

NOTE

During a LOOP event, Auxiliary Electrical Equipment Room (AEER) air conditioning should be restored WITHIN 2 HOURS.

9. IF a LOOP event occurs, THEN perform the following, as required, to maintain AEER within the required temperature limits:

NOTE

1. Power to AEER/ACR Air Conditioners is supplied from Bus 25. Power must be restored to Bus 25 from Emergency Diesel Generator, SBO Diesel Generator, or Off-Site power before AEER air conditioners may be started (DGA-12).
2. Service Water or Instrument Air are NOT required to run the AEER/ACR A/C Unit.

- a. Restore AEER air conditioning as follows:
- (1) Start AEER/ACR A/C Unit (DOP 5750-09).
 - (2) Restore Service Water (DOP 3900-01)

CATEGORY 1

UNIT 2(3)
DOA 5750-01
REVISION 20

- D. 9. a. (3) Restore TBCCW/Instrument Air
(DOP 3800-01, DOP 4700-01)
- (4) Start AEER Air Conditioner (DOP 5750-09).

NOTE

1. E. TB Vent Fans are supplied from MCC 26-4. E. TB Vents cannot be started until power is restored to Bus 26 or Bus 39 (to supply power to MCC 26-4).
2. Instrument Air is required to operate E. TB Vents. Instructions are provided in Step D.9.c. to align AEER to
- E. TB Ventilation if Instrument Air is not available.
- D. 9. b. IF temperatures allow, THEN start East Turbine Bldg. Ventilation (DOP 5750-01) AND align AEER to East Turbine Bldg. Ventilation (DOP 5750-22), OR
- c. IF instrument air is NOT available, THEN perform the following to align AEER to East Turbine Bldg. Ventilation (make appropriate entries in the Degraded Equipment Log).
- (1) Isolate Instrument Air to the damper actuator.
- (2) Disconnect the actuating arm and manually open dampers associated with East Turb Bldg Vent Fans when fans are started:
- 2A-5726, 2A E TURB BLDB VENT FAN, Dmpr AO
2A-5772-38 (discharge)
 - 2B-5726, 2B E TURB BLDB VENT FAN, Dmpr AO
2B-5772-38 (discharge)
 - 2C-5726, 2C E TURB BLDB VENT FAN, Dmpr AO
2C-5772-38 (discharge)
 - Dmpr 2A-5772-44 (Outside Air Intake Damper)
 - Dmpr 2B-5772-44 (Outside Air Intake Damper)

CATEGORY 1UNIT 2(3)
DOA 5750-01
REVISION 20

D. 9. c. (2)

- Dmpr 2/3-9477-003 (Supply Air To AEER Damper)
 - (3) IF Damper 2/3-5472-058 (AEER Bypass Damper) has NOT failed closed, THEN disconnect the actuating arm and manually close.
 - (4) Block open AEER North Door (Elev 517, Door 20) AND establish a continuous fire watch.
 - (5) Block open E. TB North Door (Elev 517, Door 12) AND establish a continuous Security and fire watch (fire watch may be supplied by security).
- d. ° IF none of the above steps can be accomplished, AND outside air temperature is less than AEER temperature, THEN perform the following to maintain AEER temperature below 120 F: (See Figure 2, East Turbine Bldg./AEER Doors To Be Opened During a LOOP Event, for door locations.)
- (1) Notify Radiation Protection that West AEER Door #24 and the South roll-up door to the main turbine building will be opened, so applicable radiological controls can be implemented.
 - (2) Establish fire watches for doors opened in Steps 9.c., and 9.d.(3) below. The posted security guard can be used as the fire watch at the affected security doors (DATR 3.1.6.1/DFPP 4100-03).
 - (3) Notify security to control access for the following Turbine Bldg. doors (4 guards needed):
 - OPEN the South roll-up door to the Main Turbine Bldg. (elevation 517').
 - OPEN East Turbine Bldg 2.North wall Door #12 (elevation 517').
 - OPEN East Turbine Bldg Double Door #13 (elevation 517').

CATEGORY 1UNIT 2(3)
DOA 5750-01
REVISION 20

- D. 9. d. (3)
- OPEN East Turbine Bldg Double Door #14 (elevation 534').
 - (4) OPEN AEER double door #20 AND double door #24 (elevation 517').
 - (5) Verify open both Auxiliary computer room doors in the AEER.
 - (6) IF a fire is spotted in the vicinity of any of the fire doors, THEN these doors should be closed to contain the fire. ©(W-1)
10. IF Reactor Building Ventilation fans are manually tripped to support fire fighting efforts, THEN:
- a. Do NOT start reactor building fans until released for operation by the S&PLP Response Team OR as directed by DEOP 0300-01.
 - b. Do NOT manually initiate SBGT (to prevent possible filter degradation due to smoke particle absorption).
 - (1) IF SBGT is in operation due to a valid SBGT initiation signal, THEN SBGT must be allowed to continue to operate.
 - (2) IF SBGT is in operation for surveillance testing, THEN SBGT should be secured per the applicable procedure.
 - c. Comply with requirements of Tech Spec 3.7.N.
11. IF Reactor Feed Pump Ventilation OR Recirculation MG Set Ventilation has failed, THEN consider tripping affected equipment.
12. IF a Reactor Building, Turbine Building, or Recombiner Room Ventilation System has failed OR will be off for an extended time, THEN evaluate need to trip Hydrogen Addition (DOP 3390-01(03)).

CATEGORY 1UNIT 2(3)
DOA 5750-01
REVISION 20

13. IF ventilation for contaminated areas is lost AND cannot be restored, THEN notify Radiation Protection personnel of situation, as airborne radiation may develop.
14. IF any AEER area temperature >88 F, THEN perform the following:

CAUTION

Previously, AEER Temperatures >90 F have caused a 1 psig rise in indicated Reactor Pressure. Although high AEER Temperature had no apparent effect on other parameters, a heightened level of awareness should be placed on ALL control room parameters as exact failure modes due to high temperature of the numerous components in the AEER is unknown.

- a. Monitor P/FR 2(3)-640-28, TURB STM FLOW/NR RPV PRESS, (red) RX PRESS indication closely for any unanticipated rise on the affected Unit.
- b. Place an operator selected alarm for Rx Pressure into the computer [C266(C366)] with a value of 1002 psig.
- IF 1002 psig Rx Pressure is reached, THEN reduce reactor power to lower Rx Pressure to <1002 psig.
- c. Verify AEER Air Conditioners in operation (DOP 5750-09):
- AEER/ACR A/C 2/3-57214-A/B.
 - AEER Air Conditioning Unit 2/3-5732-1.
15. IF any AEER area temperature >90 F, THEN perform the following:

NOTE

AEER Ventilation may be aligned to East Turbine Bldg. Ventilation, if the outside air temperature is at least 10 F cooler than the AEER.

- a. IF temperatures allow, THEN vent AEER to East Turbine Building Ventilation (DOP 5750-22).

CATEGORY 1UNIT 2(3)
DOA 5750-01
REVISION 20

- D. 16. IF any AEER area temperature >95 F, THEN perform the following:
- a. Monitor AEER temperatures in the vicinity of the ESS Inverters AND ATWS Inverters (for each Unit), once every 1/2 hour.
 - b. IF adjacent area temperatures (U2 trackway, Bus 25/26) are cooler than AEER, THEN perform the following to maintain AEER temperature below 120 F (Refer to Figure 2 for door locations.):
 - (1) Notify Radiation Protection that West AEER Door #24 will be opened, so applicable radiological controls can be implemented.
 - (2) Establish fire watches for both AEER doors, opened in the next step (DATR 3.1.6.1/DFPP 4100-03).
 - (3) OPEN AEER double door #20 AND double door #24 (elevation 517').
 - (4) Verify OPEN both Auxiliary Computer Room doors in the AEER.
 - (5) Route all Aux Computer Room portable cooler exhaust hoses out of the AEER.
 - (6) Place circulating fans inside AEER AND Aux Computer Room to assist with heat removal.
 - (7) IF a fire is spotted in the vicinity of any of the fire doors, THEN these doors should be closed to contain the fire.
17. IF any Unit 2(3) AEER area temperature exceeds 104 F, THEN commence a Unit Shutdown per DGP 02-01, for the affected Unit.
18. IF the following ventilation systems are lost, THEN refer to the applicable Tech. Spec./DATR, listed below:

CATEGORY 1UNIT 2(3)
DOA 5750-01
REVISION 20

- D. 18. a. For Control Room Emergency Ventilation System, refer to Tech. Spec. 3.8.D.
- b. For Technical Support Center (TSC) Ventilation System, refer to DATR 3.6.2.
- c. For High Radiation Sampling System (HRSS) Ventilation System, refer to DATR 3.6.3.

E. USER REFERENCES:

1. Technical Specifications:
- a. Section 3.2.A., Isolation Actuation.
- b. Section 3.7.N, Secondary Containment Integrity.
- c. Section 3.8.D., Control Room Emergency Ventilation System.
- d. Section 6.8.D.4., Radioactive Effluent Controls Program.
2. Dresden Administrative Technical Requirements (DATR):
- a. Section 3.6.2., Technical Support Center AFU.
- b. Section 3.6.3., High Radiation Sampling System AFU.
3. RUF SAR:
- a. Section 7.3.2.2.1., Low Reactor Vessel Water Level.
- b. Table 7.3-1., Group Isolation Signals and Setpoints.
4. Prints:
- a. M-269(M-529), Rx Bldg Ventilation.
- b. M-270(M-530), Turbine Bldg Ventilation.
- c. M-272, Radwaste Ventilation Units 2&3.

CATEGORY 1UNIT 2(3)
DOA 5750-01
REVISION 20

- D. 4. d. M-273 SHT 1, Diagram of Control Room and Office Air Conditioning.
- e. M-273 SHT 3(4), Diagram of Drywell Cooling System Unit 2(3).
- f. M-624, Off Gas Filter Bldg HVAC.
- g. M-625(M-633), Off Gas Recombiner Rooms Ventilation.
- h. M-760, Maximum Recycle Radwaste Bldg HVAC.
- i. M-851,M-852, Radwaste Solidification Bldg HVAC.
- j. M-936, East Turbine Room Ventilation System.
- k. M-973, Battery and HPCI Rooms Ventilation.
- l. M-974, Diesel Generator Rooms Ventilation Units 2 and 3.
- m. M-1236(M-1241), HRSS HVAC.
- n. M-1285 SHT 1 and SHT 2, Gate House HVAC.
- o. M-1289, Security Control Center HVAC.
- p. M-1297, Diesel Generator and Battery Room Heating and Ventilation.
- q. M-1305, HVAC for UPS, Battery Room and Computer Room.
- r. M-3121, Piping & Instrument Diagram Control Room HVAC.

F. DISCUSSION:

AEER normal design operating temperature is 80 +/-5 F. Per vendor manual, the ESS inverter high ambient operating temperature (fully loaded with no forced cooling air) is 104 F. Unit shutdown, for the affected ESS inverter, is initiated at AEER temperature of 104 F.

CATEGORY 1UNIT 2(3)
DOA 5750-01
REVISION 20

Testing has shown that ventilation fans raise the supplied air temperature by -5 F. As a result, outside air temperature is verified to be at least 10 °F cooler than AEER temperature, prior to venting AEER through East Turbine Bldg. Ventilation System.

- F. ° For LOOP conditions, guidance is provided for the opening of MCR and AEER doors and panels to maintain MCR/AEER temperatures below 120 F. °(W-1)
- ° For LOOP/LOCA, or LOOP only, and conditions with the safety related B Train of Control Room HVAC unavailable, guidance is provided for the operation of the A Train of Control Room HVAC for providing cooling and air filtration as needed. °(W-4)

W. WRITER'S REFERENCES:

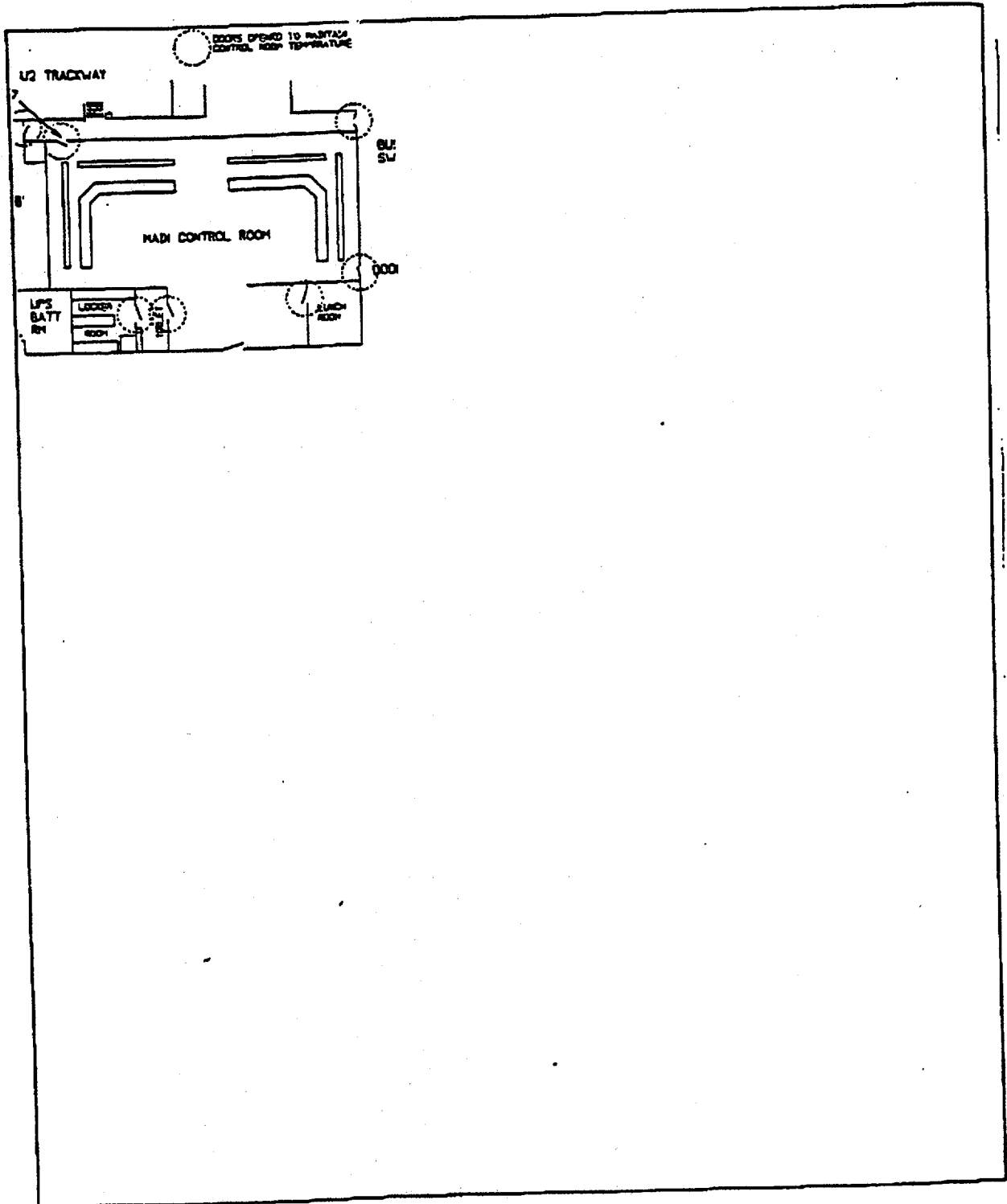
1. B.M.K. Wong letter to C.W. Schroeder dated April 26, 1992, Station Blackout Responses to Safety Evaluation Report Recommendations (CHRON #184897), 4/17/89, 5/18/90, 1/21/91 and 2/15/91 letters from M.H. Richter (CECo) to Dr. T.E. Murley (NRC).
2. NTS #237-104.94-00201, NRC Generic Letter 94-02 and BWROG Guidelines for Stability Interim Corrective Action (6/6/94).
3. RUF SAR 15.6.5.5.2, Radiological Consequences - Control Room Dose Rates AND 6.4.4.1. Radiation Protection.
3. NTS #23722596R12-95203, Control Room HVAC Train A Use On LOOP.

CATEGORY 1

UNIT 2(3)
DOA 5750-01
REVISION 20

FIGURE 1

CONTROL ROOM DOORS TO BE OPENED DURING A LOOP EVENT

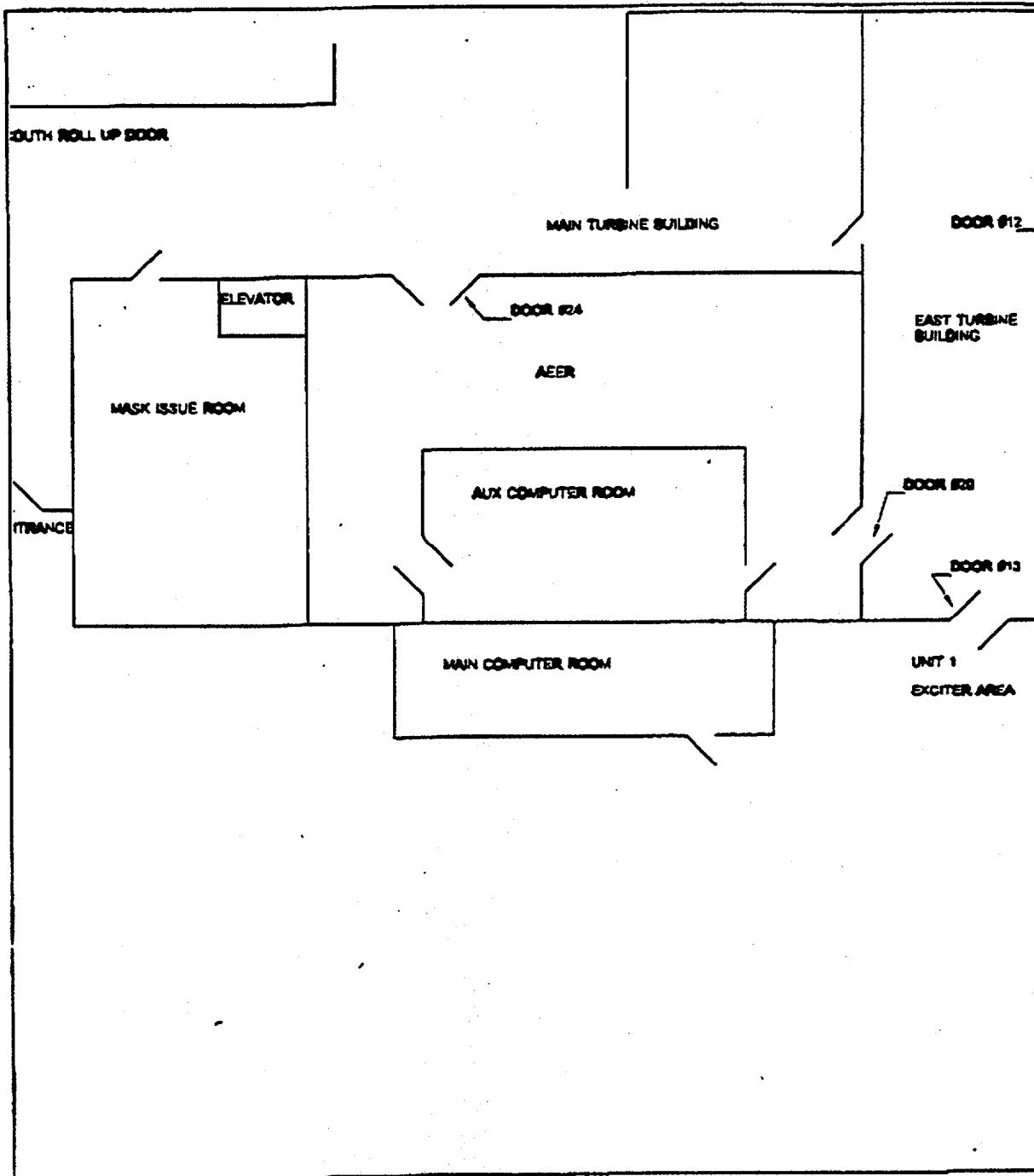


CATEGORY 1

UNIT 2(3)
DOA 5750-01
REVISION 20

FIGURE 2

EAST TURBINE BLDG/AEER DOORS TO BE OPENED DURING A LOOP EVENT



Note: The door between the East Turbine Building and Unit 1 switchgear at elevation 534' is door #14.

CATEGORY 1

UNIT 2(3)
DOA 5750-01
REVISION 20

FIGURE 3

CONTROL ROOM A TRAIN TEMPORARY MODIFICATION

