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FLORIDA POWER AND LIGHT COMPANY  
TURKEY POINT UNITS 3 AND 4

PRE-FIRE PLAN

FIRE ZONE NO: 63

ZONE NAME: Unit 3  
Reactor Control  
Rod Equipment  
Room

LIST OF EFFECTIVE PAGES:

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PRE-FIRE PLAN			
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OPERATIONS SAFE SHUTDOWN MANUAL ACTIONS

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3	02/09/01	8	02/09/01
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5	02/09/01		

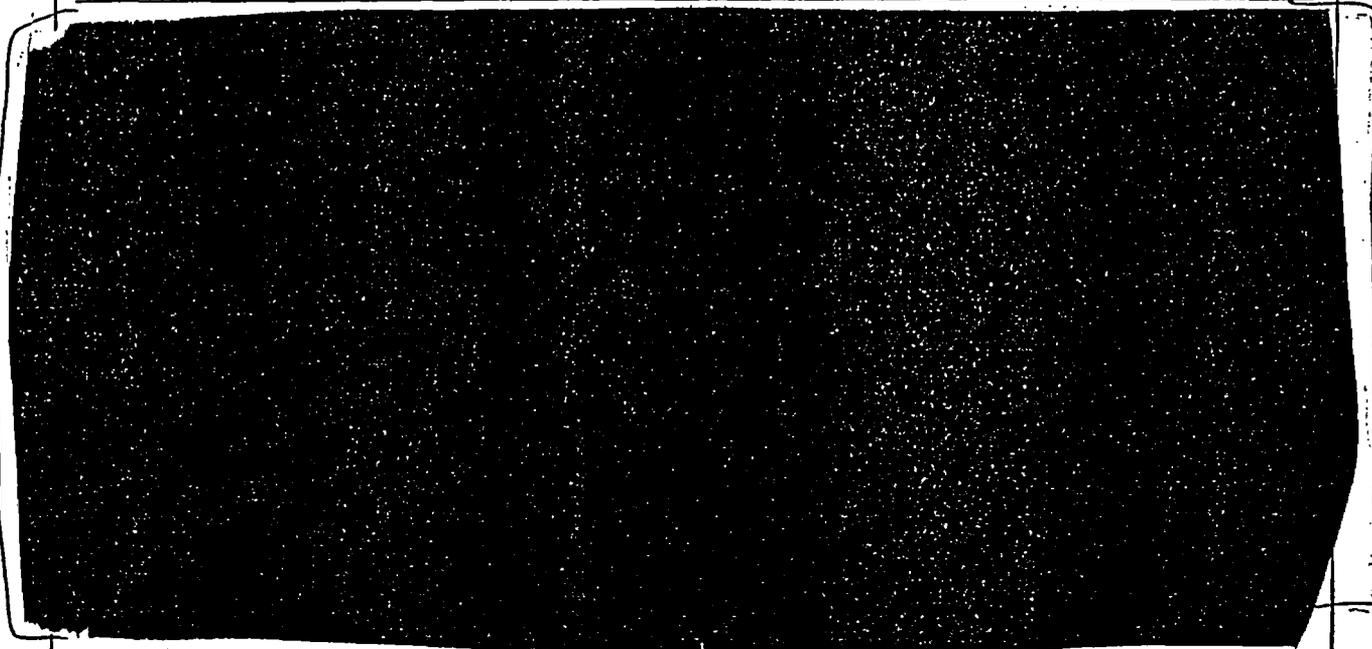
MANUAL ACTIONS TO MITIGATE THE CONSEQUENCES OF FIRE DAMPER CLOSURE

1	02/09/01
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in accordance with the Freedom of Information  
Act, exemptions 4  
FOIA- 2004-277

**Fire Zone Number 063 Unit 3 Reactor Control Rod Equipment Ro**



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**4.0 SUPPRESSION:**

N/A

**5.0 VENTILATION SYSTEM:**

FAN	BREAKER	MCC and LOCATION
AC Unit	N/A	N/A Disconnect switch outside west door.

**5.1 VENTILATION GUIDE:**

An air ejector can be placed at either doorway and the ventilation ductwork run clear of the area out to open air.

**6.0 RADIOLOGICAL CONDITIONS:**

RADIATION - N/A

CONTAMINATION - N/A

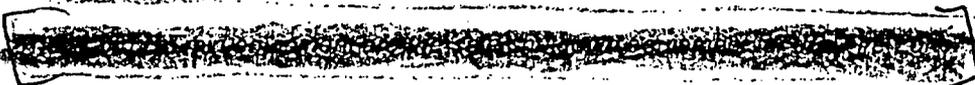
**7.0 PRECAUTIONS:**

480 volt power

**FIRE ZONE 63**

*Unit 3 Reactor Control Rod Equipment Room (3B MCC)*

**NOTES**

- Manual actions identified for this fire zone may have to be performed prior to or in conjunction with other procedure(s) as required to operate equipment to maintain safe plant conditions.
- 
- A containment entry may be required for some actions.

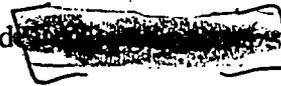
ewy

1.0 **IF** a LOOP **AND** 3A/4A **OR** 3B/4B EDG trip has occurred, **THEN** perform the following:

①.1 Verify open **OR** open all breakers on 3A, 3B, 4A, or 4B 4KV Switchgear.

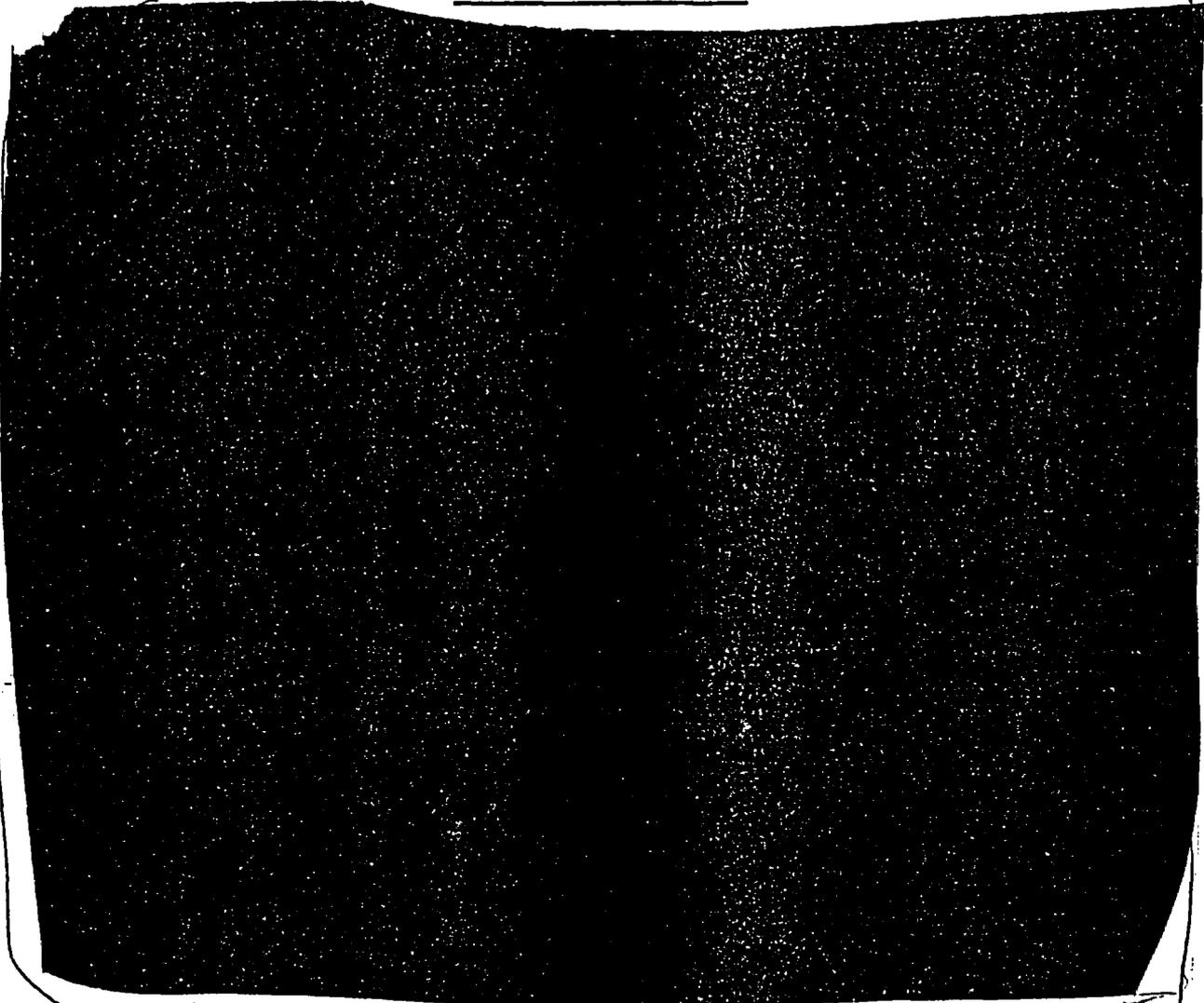
1.2 Restart 3A/4A **OR** 3B/4B EDG **AND** energize 3A, 3B, 4A or 4B 4KV Switchgear using 3/4-ONOP-023.2, EMERGENCY DIESEL GENERATOR FAILURE.

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2.0 **IMMEDIATELY** stop **OR** verify stopped 

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FIRE ZONE 63



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3.0 IF any Unit 3 RCPs are operating AND any of the following conditions exist:

- Loss of cooling to RCPs as evidenced by any RCP trip criteria of 3-ONOP-041.1, Reactor Coolant Pump Off-Normal, being exceeded.

OR

- Containment temperatures exceeding 120 degrees on either R-3-1413 or TE-3-6700/6701/6702 (ERDADS).

OR

- CCW flow to the Normal Containment Coolers can NOT be verified (FI-3-1467).

THEN perform the following manual actions within 3 minutes:

0-ONOP-016.10

Operations Safe Shutdown  
Manual Actions

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**FIRE ZONE 63***Unit 3 Reactor Control Rod Equipment Room (3B MCC)*3.1 Trip OR verify tripped Unit 3 reactor.

3.2 IF MG set feeder breakers are required to be tripped to provide rod drop, THEN disable breakers 30401 and 30108 charging spring motor by placing the Charging Motor toggle Switch to the OFF position.

**NOTE**

*If the breaker is in the OPEN position, the charging springs can be discharged by first holding in the manual trip pushbutton and lifting the manual CLOSE lever to discharge the charging springs and thus prevent spurious closure of a charged breaker.*

3.2.1 Place breakers 30401 and 30108 in the OPEN position with springs discharged.

3.3 Verify tripped OR trip Reactor Coolant Pump 3A.3.4 Verify tripped OR trip Reactor Coolant Pump 3B.3.5 Verify tripped OR trip Reactor Coolant Pump 3C.

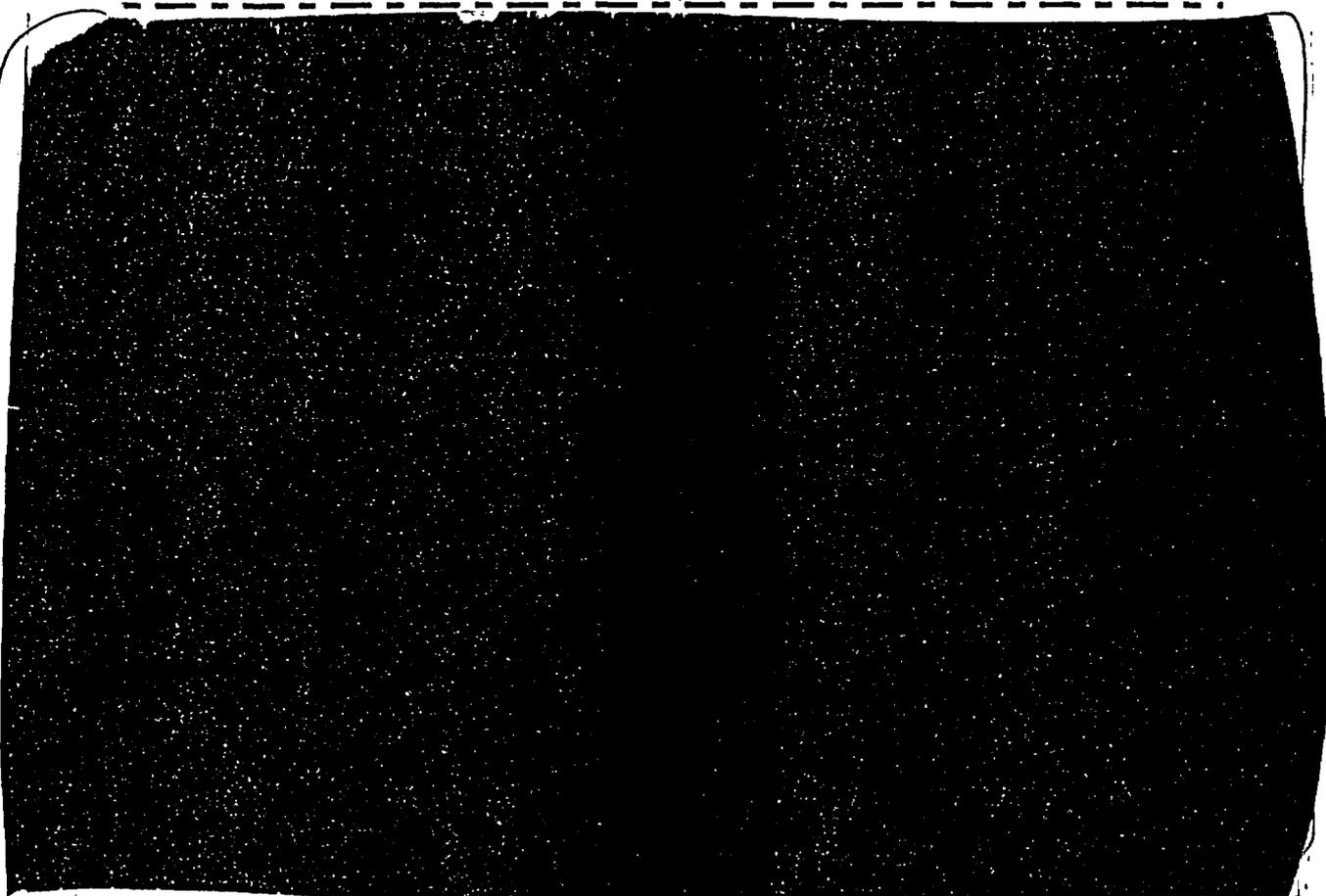
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**FIRE ZONE 63**

*Unit 3 Reactor Control Rod Equipment Room (3B MCC)*

**NOTE**

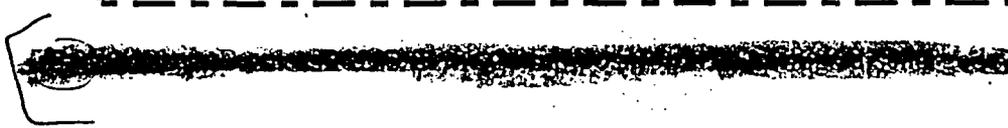
*If a breaker is in the OPEN position, the charging springs can be discharged by first holding in the manual TRIP pushbutton and then lifting the manual CLOSE lever to discharge the charging springs to prevent spurious closure of a charged breaker.*



EXP

**NOTE**

*If a breaker is in the OPEN position, the charging springs can be discharged by first holding in the manual TRIP pushbutton and then lifting the manual CLOSE lever to discharge the charging springs to prevent spurious closure of a charged breaker.*



EXP

**FIRE ZONE 63****Unit 3 Reactor Control Rod Equipment Room (3B MCC)**

8.0 **IF** 3B Backup Heaters spuriously actuate, **THEN** perform the following actions within

- 8.1 Disable the Breaker 30408 (3B Backup Heaters) charging spring motor by placing the Charging Motor Toggle Switch to the OFF position.

**NOTE**

If a breaker is in the OPEN position, the charging springs can be discharged by first holding in the manual TRIP pushbutton and then lifting the manual CLOSE lever to discharge the charging springs to prevent spurious closure of a charged breaker.

- 8.2 Place Breaker 30408 in the OPEN position with springs discharged.

9.0 Perform the following

- 9.1 **IF** NO LOOP has occurred, **AND** RCPs are running, **THEN** verify at least two Normal Containment Coolers are operating (3A **AND** 3C may need to be manually started).

- 9.2 **IF** less than two Normal Containment Coolers are available, **THEN** carefully monitor RCP parameters **AND** take action according to Step 3.0 above.

- 9.3 **IF** a LOOP has occurred **OR** NO RCPs are running, **THEN** verify at least one Normal Containment Cooler is operating.

- 9.4 **IF** accessible, **THEN** locally verify in Unit 3 Pipe and Valve Room that valve MOV-3-1418 is open.

- 9.5 **IF** MOV-3-1418 can NOT be verified open, **THEN** carefully monitor Unit 3 RCP parameters **AND** take action according to Step 3.0 above.

10.0

11.0 **IF** CV-3-2803 (instrument air to Unit 3 containment) spuriously closes, **THEN** perform the following actions:

- 11.1 Close instrument air valve 3-40-364 (air to CV-3-2803) in Unit 3 CST area.

- 11.2 Vent air off the actuator of CV-3-2803.

- 11.3 Verify that CV-3-2803 fails open.

0-ONOP-016.10

Operations Safe Shutdown  
Manual Actions

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**FIRE ZONE 63**

Unit 3 Reactor Control Rod Equipment Room (3B MCC)

12.0 **IF** the Unit 3 Pipe and Valve Room is accessible, **THEN** perform the following actions

12.1 Verify closed **OR** manually close MOV-3-749B (unless required for RHR).

12.2 Perform the following as CV-3-2905 should be failed open:

12.2.1 Remove the seal from 3-40-1901, Safe Shutdown CV-3-2905 Manual Control Vent Valve.

12.2.2 Rotate 3-40-1901 to the VENT position.

12.2.3 Remove the seal from 3-40-1902, Safe Shutdown CV-3-2905 Manual Close Air Isolation Valve.

12.2.4 Rotate 3-40-1902 to the MANUAL position.

12.2.5 Verify CV-3-2905 is closed.

13.0 **IF** Unit 3 Pipe and Valve Room is **NOT** accessible, **AND** spurious actuation of a CCW valve causes CCW flow to increase, **THEN** verify 3 CCW Heat Exchanger are in service **AND** operate 2 CCW pumps as required.

14.0 Perform the following actions within  on Unit 3:

14.1 Isolate letdown by performing the following manual actions:

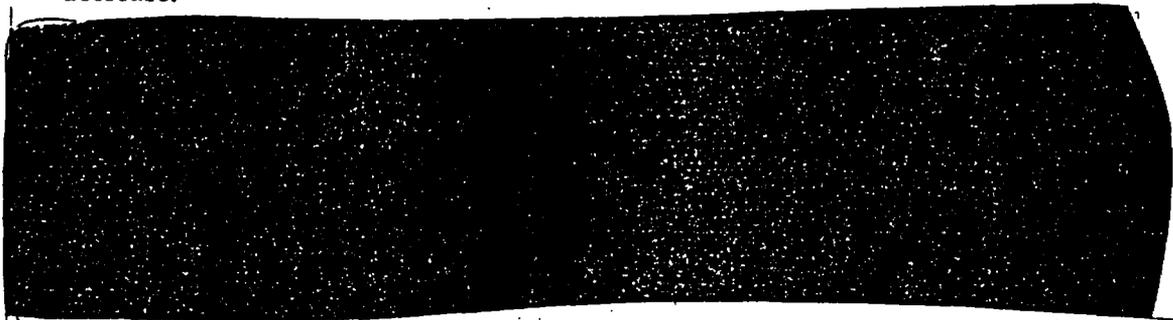
14.1.1 Close CV-3-200A.

14.1.2 Close CV-3-200B.

14.1.3 Close CV-3-200C.

14.1.4 Close LCV-3-460.

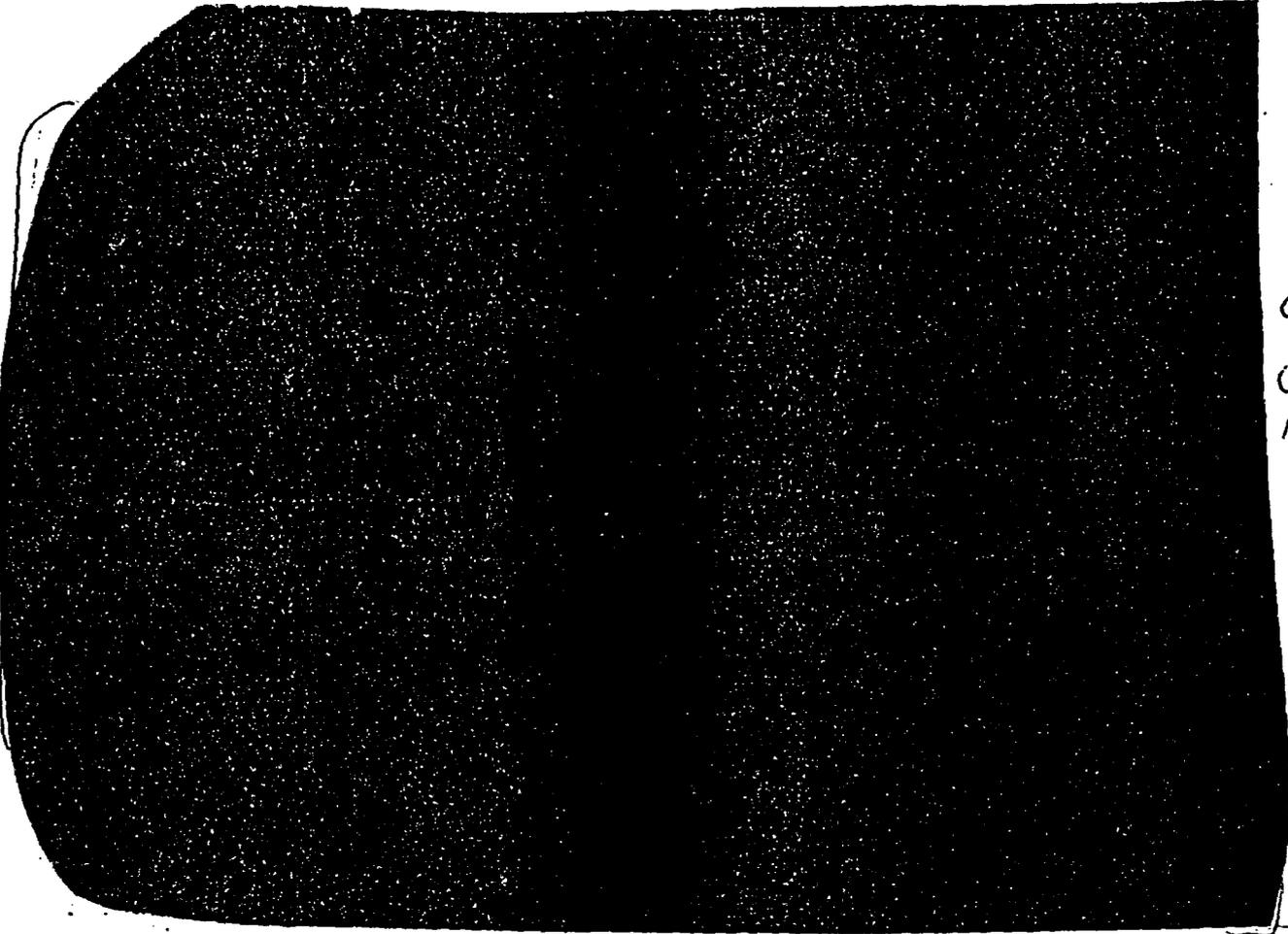
14.2 Notify the NPS to evaluate the current pressurizer level **AND** the rate of level decrease.



**FIRE ZONE 63**

Unit 3 Reactor Control Rod Equipment Room (3B MCC)

14.3 Establish RWST makeup to charging:



14.5 Perform the following actions:

14.5.1 Verify charging flow via FI-3-122A (VPA).

14.5.2 Restore pressurizer level to program.

0-ONOP-016.10

Operations Safe Shutdown  
Manual Actions

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**FIRE ZONE 63**Unit 3 Reactor Control Rod Equipment Room (3B MCC)

15.0 WHEN 3B MCC has been deenergized, THEN verify that valve MOV-3-1402 MSIV 3C Bypass is closed ~~at the Unit 3 Main Steam Platform.~~ <sup>EX4</sup>

16.0 IF going onto (or on) RHR OR into cold shutdown AND after 3B MCC has been deenergized, THEN verify the following component is properly positioned per plant procedures:

EX4  (16.1) MOV-3-744B

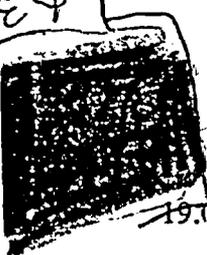
**NOTE**

*The breakers listed in Step 17.0 are physically locked open to prevent spurious valve operation. The breakers are unlocked and energized (closed) only when the unit(s) are in Mode 4 per operating procedure \*-OP-050, Residual Heat Removal System.*

17.0 Perform the following actions, as required, to provide an RCS letdown path for cold shutdown:

(17.1) Open Breaker 30731, MOV-3-751 at MCC-3C OR verify Breaker 30731 is OPEN.

(17.2) Open Breaker 40731, MOV-4-751 at MCC-4C OR verify Breaker 40731 is OPEN.

EX4  18.0 Verify positions at local locations or manually position the following valves as directed by procedures AND plant conditions:

(18.1) RHR Loop 4A Suction Stop Valve, MOV-4-751.

(18.2) RHR Loop 3C Suction Stop Valve, MOV-3-751.

19.0 WHEN Unit 3 RCS has depressurized below 650 psig, AND after 3B MCC is de-energized, THEN locally close OR verify closed (inside containment) MOV-3-865B.

20.0 IF CV-3-311 is needed for pressure control, AND CV-3-311 Auxiliary Spray Valve fails closed, THEN perform the following:

20.1 Close OR verify closed CV-3-310A AND CV-3-310B.

20.2 Inside Unit 3 Containment, manually open CV-3-311 using the handwheel.

21.0 IF CV-3-310B Charging to RCS Loop C, fails open and requires closing, THEN close CV-3-310B manually by using handwheel inside containment.

**FIRE ZONE 63**

*(Unit 3 Reactor Control Rod Equipment Room)*

**NOTE**

*Ventilation flowpaths will be established by opening both doors to this room.*

- 1.0 **WHEN** the fire has been safely extinguished, **THEN** ensure louvers are open and restart the fan.
- 2.0 Establish the necessary fire watches.
- 3.0 Notify Security to establish an access point.
- 4.0 Open the following fire doors:
  - 4.1 D063-1, Unit 4 Reactor Control Rod Equipment Room to Outside Area
  - 4.2 D063-2, Unit 4 Reactor Control Rod Equipment Room to Outside Area