

FLORIDA POWER AND LIGHT COMPANY  
TURKEY POINT UNITS 3 AND 4

PRE-FIRE PLAN

FIRE ZONE NO: 67

ZONE NAME: 4160V Switchgear  
4B Room

LIST OF EFFECTIVE PAGES:

<u>PAGE</u>	<u>DATE</u>
PRE-FIRE PLAN	
1	08/12/02
2	11/02/00
3	08/12/02

OPERATIONS SAFE SHUTDOWN MANUAL ACTIONS

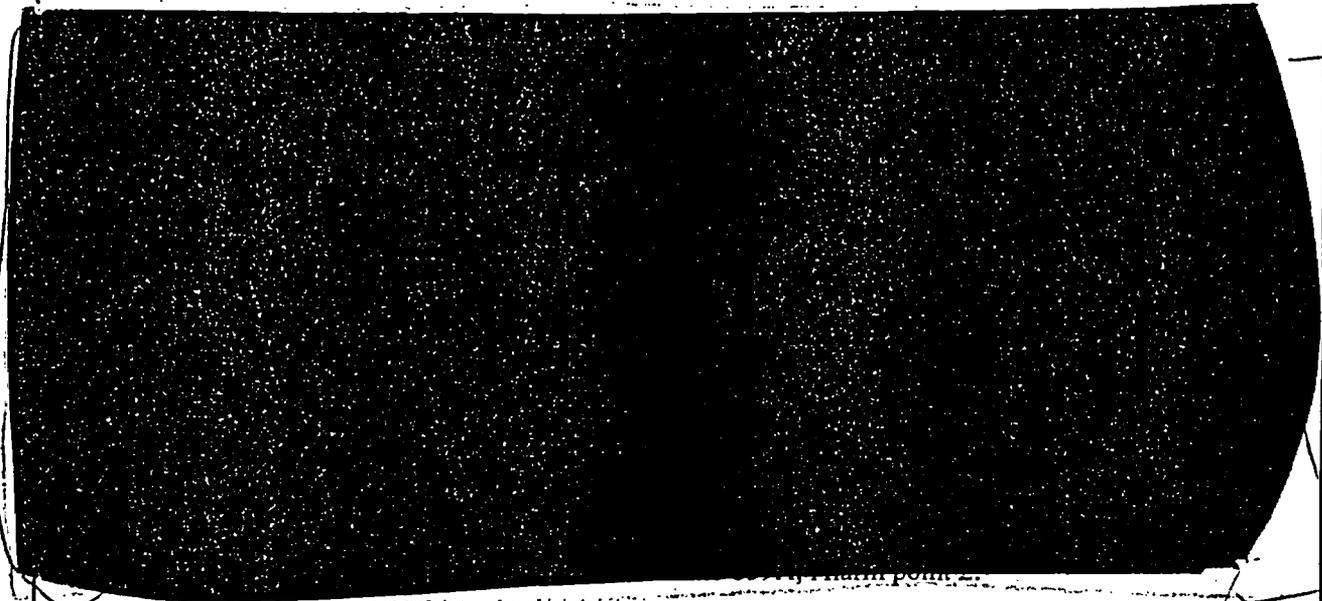
1	02/09/01
2	02/09/01
3	02/09/01
4	02/09/01
5	02/09/01
6	05/09/01
7	05/09/01
8	05/09/01
9	05/09/01

MANUAL ACTIONS TO MITIGATE THE CONSEQUENCES OF FIRE DAMPER CLOSURE

N/A

Information in this record was deleted  
in accordance with the Freedom of Information  
Act, exemptions 4  
FOIA- 2004 277

**Fire Zone Number 067 Unit 4 4160V Switchgear 4B Room**



684

**4.0 SUPPRESSION:**

N/A

**5.0 VENTILATION SYSTEM:**

FAN	BREAKER	MCC and LOCATION
AHU-4E244A	45302	4L 4B53, Swgr. Rm. 4A, Zone 068
AHU-4E244B	45402	4M 4B54, 4B Switchgear Rm., Zone 067

**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:**

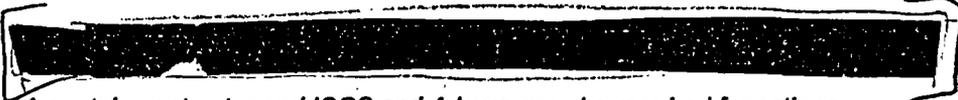
N/A

**FIRE ZONE 67**

*(4160V Switchgear 4B Room)*

**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.



674

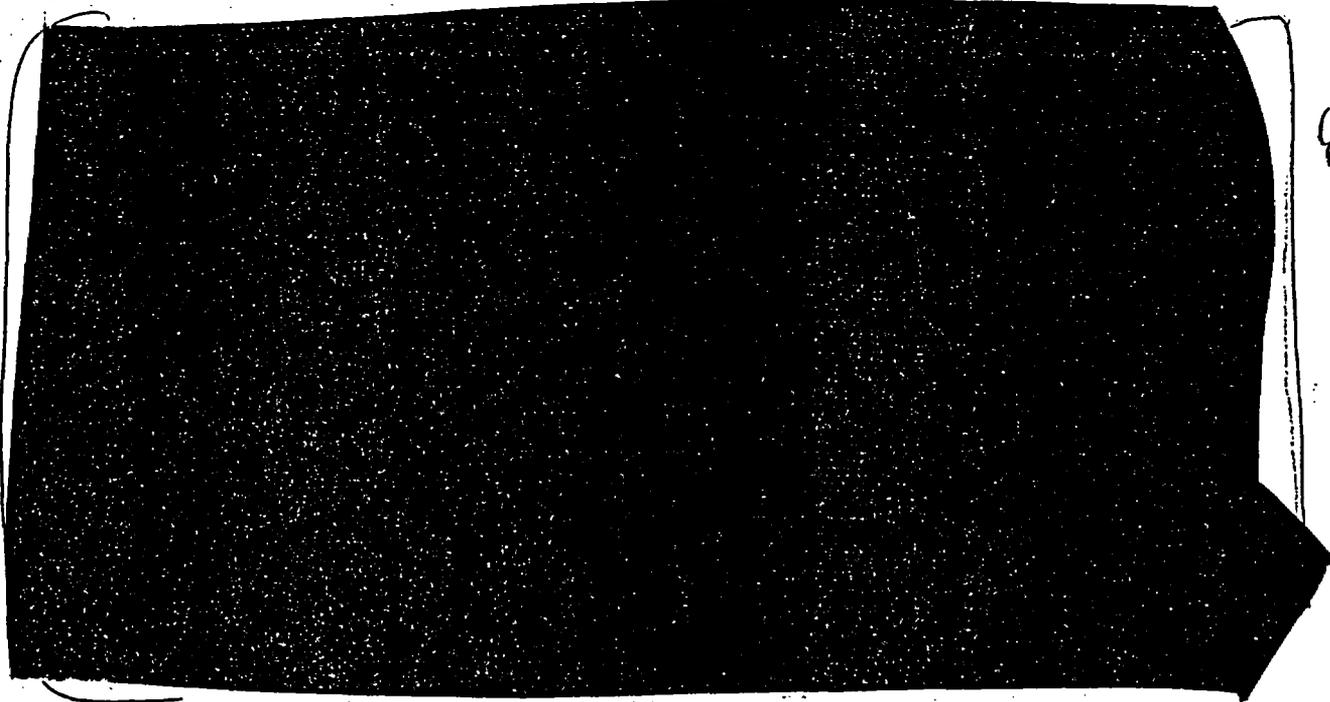
- A containment entry and ICCS and A keys may be required for actions.

key → 1.0 IF a LOOP AND 3A/4A EDG trip has occurred, THEN perform the following:

*Open area*

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

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



674

**FIRE ZONE 67**

*(4160V Switchgear 4B Room)*

4.0 **IF** any Unit 4 RCPs are operating **AND** any of the following conditions exist:

☉ Loss of cooling to RCPs as evidenced by any RCP trip criteria of 4-ONOP-041.1, Reactor Coolant Pump Off-Normal, being exceeded.

**OR**

☉ Containment temperatures exceeding 120 degrees on either R-4-1413 **OR** TE-4-6700/6701/6702 (ERDADS).

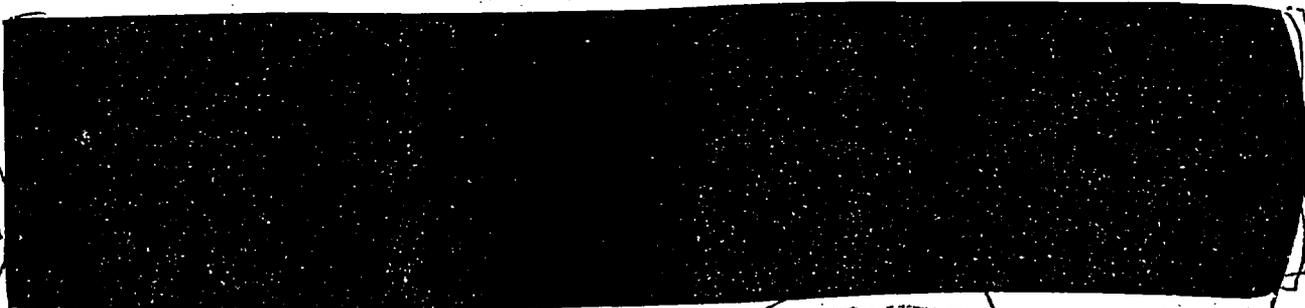
**OR**

☉ CCW flow to the Normal Containment Coolers can NOT be verified (FI-4-1467).

**THEN** perform the following manual actions ~~XXXXXXXXXX~~ E44

- 4.1 Trip **OR** verify tripped Unit 4 reactor.
- 4.2- Verify tripped **OR** trip Reactor Coolant Pump 4A.
- 4.3 Verify tripped **OR** trip Reactor Coolant Pump 4B.
- 4.4 Verify tripped **OR** trip Reactor Coolant Pump 4C.

5.0



E44

E44

6.0 Perform the following to prevent spurious breaker closure ~~XXXXXXXXXX~~ E44

- 6.1 Perform the following at 3C06 **AND** 4C06:
  - 6.1.1 Verify stopped **OR** stop SI pump 3A and place control switch in Pull-to-Lock.

**FIRE ZONE 67***(4160V Switchgear 4B Room)*

6.2 **IF** RHR pumps are not running to provide core cooling on Unit 3, **THEN** perform the following RHR in the Control Room:

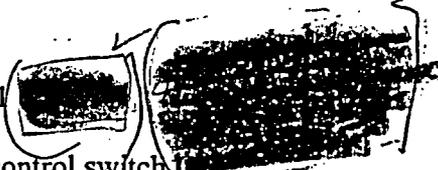
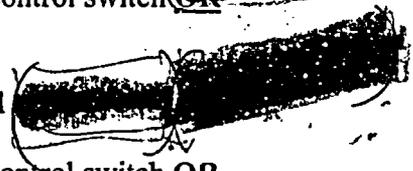
6.2.1 Verify stopped **OR** stop RHR pump 3A and place control switch in Pull-to-Lock.

**CAUTION**

*RHR pumps should not be run at minimum recirculation flow for greater than 30 minutes.*

6.3 **IF** RHR pump 3A is required for plant cooldown, **THEN** release 3A RHR pump from pull-to-lock and operate 3A RHR pump as necessary.

6.4 **IF** a LOOP has occurred, **THEN** perform the following:

- (6.4.1) Pull the close circuit fuses FU-52 (UC) at Breaker 4AA21 
- (6.4.2) Verify open **OR** open Breaker 4AA21 with the breaker control switch **OR** the mechanical trip.
- (6.4.3) Pull the close circuit fuses FU-28 (UC) at Breaker 4AA11 
- (6.4.4) Verify open **OR** open Breaker 4AA11 with the breaker control switch **OR** the mechanical trip.
- (6.4.5) Pull the close circuit fuses FU-19 (UC) at Breaker 4AA07 
- (6.4.6) Verify open **OR** open Breaker 4AA07 with the breaker control switch **OR** the mechanical trip.
- (6.4.7) Isolate the close circuit for Breaker 4AA01  by taking transfer switch XS-4AA01 to ISOLATE.
- (6.4.8) Verify open **OR** open Breaker 4AA01 with the breaker control switch **OR** the mechanical trip.
- EY  
4

**FIRE ZONE 67**

(4160V Switchgear 4B Room)

7.0 IF 4C Emergency Containment Cooler spuriously actuates, THEN open Breaker 40650

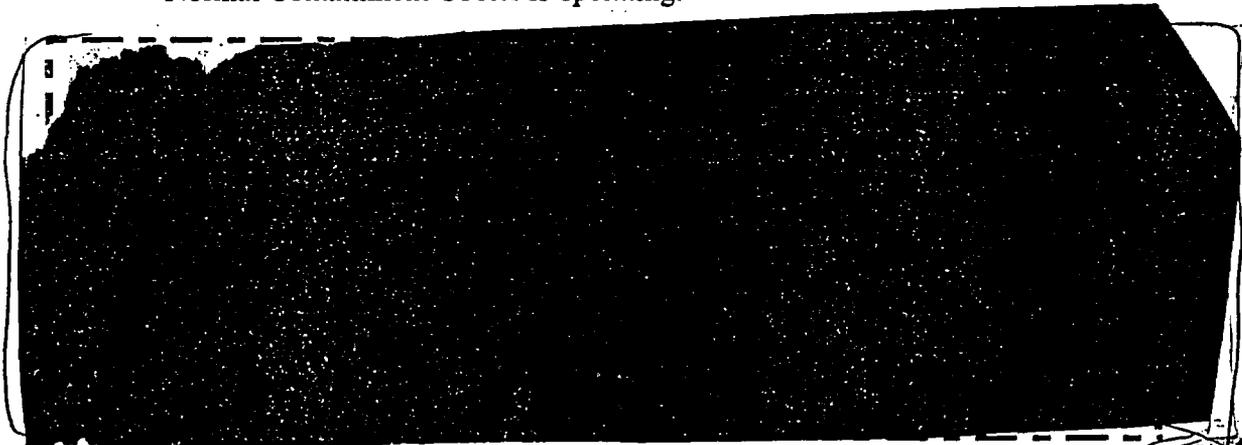
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8.0 Perform the following

8.1 IF NO LOOP has occurred, AND RCPs are running, THEN verify at least two Normal Containment Coolers are operating (4A AND 4C NCCs are preferred).

8.2 IF less than two Normal Containment Coolers are available, THEN carefully monitor RCP parameters AND take action according to Step 4.0 above.

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



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9.0 Perform the following actions at

9.1 Place the Normal/Isolate transfer switch KS-40402 to the ISOLATE position.

9.2 Verify OR mechanically trip Breaker 40402.

breaker 40402 copy

**FIRE ZONE 67**

*(4160V Switchgear 4B Room)*

10.0 Perform the following actions at the [REDACTED]

Ex. 4

10.1 Disable the charging spring motor by placing the Charging Motor Toggle Switch in 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.*

10.2 Place Breaker 40303 in the OPEN position with springs discharged.

11.0 Perform the following actions at [REDACTED] of

Ex. 4

11.1 Disable the charging spring motor by placing the Charging Motor Toggle Switch in 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.*

11.2 Place Breaker 40307 in the OPEN position with springs discharged.

12.0 Perform the following actions at [REDACTED] of

Ex. 4

12.1 Disable the charging spring motor by placing the Charging Motor Toggle Switch in 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.*

12.2 Place Breaker 40408 in the OPEN position with springs discharged.

0-ONOP-016.10

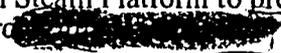
Operations Safe Shutdown  
Manual Actions

5/9/01

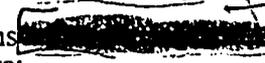
*P.A. Impair Tag  
9459*

**FIRE ZONE 67**

(4160V Switchgear 4B Room)

13.0 Perform the following actions at the Unit-4 Main Steam Platform to prevent spurious loss of Atmospheric Steam Dump control 

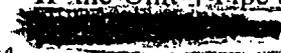
13.1 Unseal and align 4-10-106, 4-10-206, and 4-10-306 to ISOLATE.

14.0 Perform the following actions  of CV-4-2803 (instrument air to Unit 4 containment) spurious closure:

14.1 Close instrument air valve 4-40-364 (air to CV-4-2803) in outdoor area west of Unit 4 containment.

14.2 Vent air off the actuator of CV-4-2803.

14.3 Verify that CV-4-2803 fails open.

*ex 4*  
 15.0 IF the Unit 4 Pipe and Valve Room is accessible, **THEN** perform the following actions 

15.1 Close 4-10-650.

15.2 Close 4-10-651.

15.3 Perform the following:

✓ 15.3.1 Remove the seal from 4-40-1901, Safe Shutdown CV-4-2905 Manual Control Vent Valve.

✓ 15.3.2 Rotate 4-40-1901 to the VENT position.

✓ 15.3.3 Remove the seal from 4-40-1902, Safe Shutdown CV-4-2905 Manual Close Air Isolation Valve.

✓ 15.3.4 Rotate 4-40-1902 to the MANUAL position.

✓ 15.3.5 Verify CV-4-2905 is closed.

15.4 Open **OR** verify open Breaker 40650

16.0 IF Unit 4 Pipe and Valve Room is **NOT** accessible, **AND** spurious actuation of a CCW valve causes CCW flow to increase, **THEN** verify 3 CCW Heat Exchangers are in service **AND** operate 2 CCW pumps as required.

*ex 4*  
 17.0 Perform the following 

17.1 Open door D101-1 in the 4B DC Equipment Room.

17.2 Position portable fan at door D101-1 **AND** connect to dedicated receptacle 412A-1 to provide air flow to 3A DC Equipment Room.

*3  
Where*

**FIRE ZONE 67**

(4160V Switchgear 4B Room)

Exp 4

18.0 Perform the following actions  on Unit 4:

 18.1 Isolate letdown by performing the following manual actions:

Exp 4 X 18.1.1 Close CV-4-200A.

X 18.1.2 Close CV-4-200B.

X 18.1.3 Close CV-4-200C.

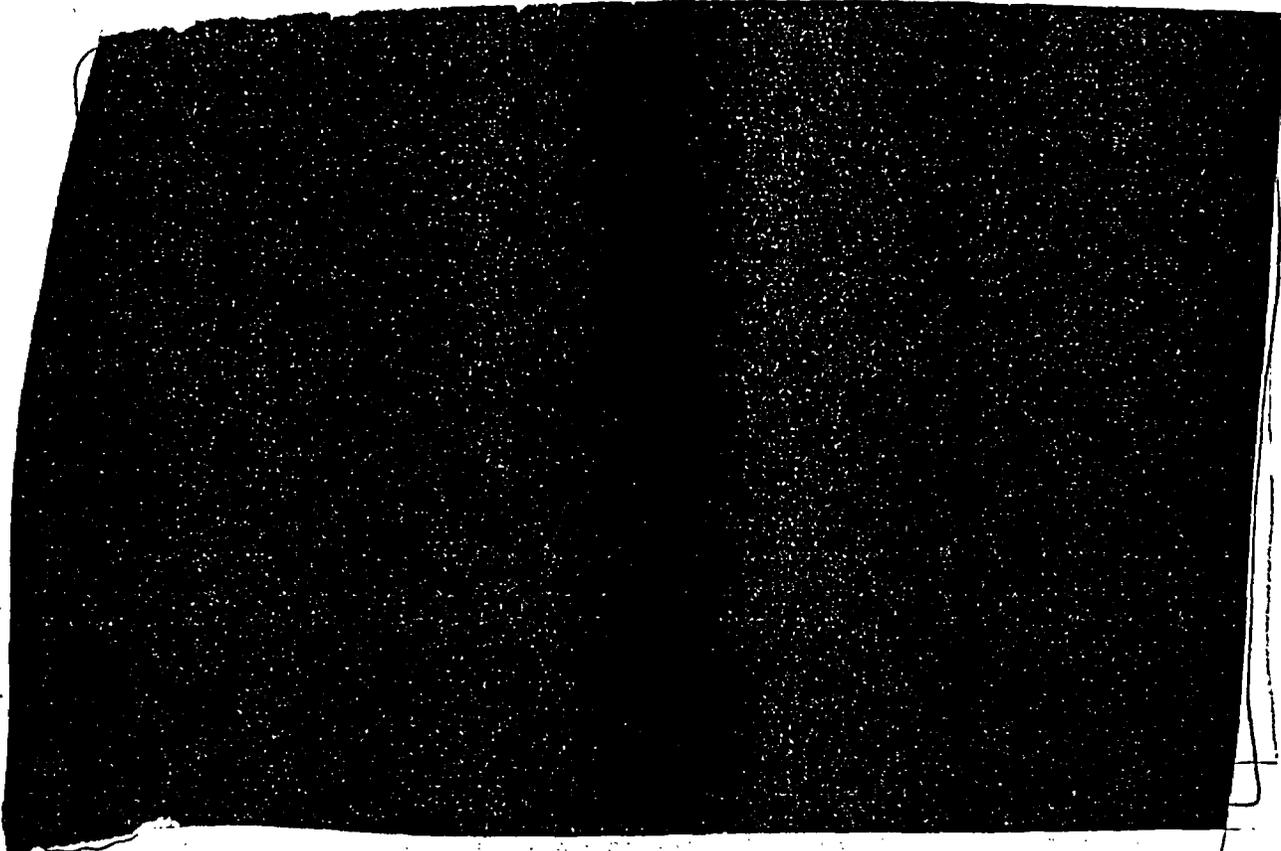
X 18.1.4 Close LCV-4-460.

Exp 4  18.2 Notify the NPS to evaluate the current pressurizer level AND the rate of level decrease.

Exp 4

**FIRE ZONE 67**

*(4160V Switchgear 4B Room)*



Ex 4

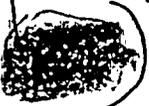
Ex 4

18.5.1 Verify charging flow via FI-4-122A (VPA).

18.5.2 Restore pressurizer level to program.

19.0 **IF** needed for pressure control **AND** CV-4-311 Auxiliary Spray Valve fails closed, **THEN** perform the following:

Ex 4



19.1 Close **OR** verify closed CV-4-310A and CV-4-310B.

19.2 Manually open CV-4-311 using the handwheel



Ex 4

0-ONOP-016.10

Operations Safe Shutdown  
Manual Actions

5/9/01

**FIRE ZONE 67**

*(4160V Switchgear 4B Room)*

**CAUTION**

*A fire in the U-4 4B 4KV Switchgear Room may cause spurious actuation of Auxiliary Spray Valve, CV-4-311, and may give false valve indication for Auxiliary Spray Valve, CV-4-311.*

20.0 **IF** RCS Pressure is decreasing from spurious actuation of Auxiliary Spray Valve, CV-4-311, **THEN** perform the following:

20.1 Reduce charging to one pump at slow speed.

20.2 Close charging to RCS Control Valve, HCV-4-121.

20.3 Throttle RCS Control Valve Bypass Valve, 4-333, to maintain cooldown **AND** boration through the RCP Seal Injection Lines.

21.0 Perform the following actions if spurious actuation closes HCV-4-121 Charging to RCS Control Valve and charging is required:

21.1 Close Instrument Air to HCV-4-121 Charging to RCS Control Valve, 40-1718,

21.2 Vent Instrument Air Regulator to HCV-4-121 Charging to RCS Control Valve - to Fail Valve Open,

21.3 Control Charging flow by manually throttling HCV-4-121 Outlet Isolation Valve, 4-202A.

22.0 **IF** CV-4-310B Charging to RCS Loop C, fails open and requires closing, **THEN** close CV-4-310B manually by using handwheel inside containment.

23.0 Perform the following Manual Actions prior to Unit 4 Primary Pressure decreasing below 650 psig:

23.1 Open Breaker 40532 at MCC-4A (MOV-4-865B).

23.2 Locally close Accum 4B Isolation, MOV-4-865B. (contain)