

Submitted: _____
(Section Head)

SP Number 29.023.01

Approved: _____
(Plant Manager)

Revision C

Effective Date _____

LEVEL CONTROL
EMERGENCY PROCEDURE

DRAFT

1.0 PURPOSE

The purpose of this procedure is to restore and stabilize RPV water levels.

2.0 ENTRY CONDITIONS

The entry conditions for this procedure are any of the following:

- 2.1 RPV water level less than 12.5"
- 2.2 Drywell pressure greater than 1.69 psig
- 2.3 An isolation condition exists which requires or initiates reactor scram.

3.0 OPERATOR ACTIONS

- 3.1 Confirm initiation of any of the following.
 - 3.1.1 VERIFY reactor scram and PERFORM SP 29.010.01, Emergency Shutdown, concurrently with this procedure. _____
 - 3.1.2 VERIFY system isolations consistent with plant parameters. _____
 - 3.1.3 VERIFY automatic initiation of ECCS systems and RBSVS system consistent with plant parameters. _____
 - 3.1.4 VERIFY diesel generators start consistent with plant parameters. _____

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- 3.2 INITIATE any of the actions of 3.1 which should have initiated but did not.

CAUTION

Avoid RPV high water level trip (58.75") of RFP, HPCI, and RCIC turbines.

- 3.3 Restore and maintain RPV water level between 12.5" and 58.75" with one or more of the following systems:

3.3.1	Feedwater/Condensate	1115 to 0 psig
3.3.2	CRD	1115 to 0 psig
3.3.3	RCIC	1115 to 50 psig
3.3.4	HPIC	1115 to 100 psig
3.3.5	C.S.	333 to 0 psig
3.3.6	LPCI	238 to 0 psig

- 3.4 If RPV water level can be restored and maintained above 12.5" and it is determined that an emergency does not exist, enter the appropriate station procedure as determined by Shift Supervision.

- 3.5 If RPV water level cannot be restored and maintained above + 12.5", maintain RPV water level above top of active fuel (TAF)

(A) TAF = +6" as read on fuel zone instrumentation LI-007

- 3.6 If RPV water level cannot be determined or maintained above TAF enter SP29.023.04 (Level Restoration).

CAUTION

Notify the Watch Engineer to classify the event and initiate the proper emergency procedures.

- 3.7 If SRV's are cycling, open one SRV and reduce RPV pressure to between 700 and 960 psig to minimize SRV cycling. (Alternate SRV's to equalize suppression pool heating if this step must be repeated using Figure 1 as a guide)

- 3.8 When the RPV water level has stabilized, enter 29.023.02 (cool down).

	+RV-093H		+RV-093L	
		1C61TE022A	1Z93TE132A-1	
		1Z93TE135B	1Z93TE110W-2	
+RV-093F		1Z93TE113Z	1Z93TE110Y-3	+RV-0936
		1Z93TE113X	1Z93TE110X-4	
		1Z93TE113Y	1Z93TE110Z-5	
		1Z93TE113W	1Z93TE132B-6	
		1Z93TE135A		
+RV-093J		1Z93TE134B	1C61TE022B-1	+RV-0936
		1Z93TE112Z	1Z93TE133A-2	
		1Z93TE112X	1Z93TE111W-3	
		1Z93TE112Y	1Z93TE111Y-4	
		1Z93TE112W	1Z93TE111X-5	
		1Z93TE134A	1Z93TE111Z-6	
			1Z93TE133B-7	+RV-093B
+RV-093G			+RV-093D	
	+RV-093K		+RV-093E	

FIGURE 1

4.0 REFERENCES

- 4.1 SP 29.010.01 Emergency Shutdown
- 4.2 SP 29.023.02 Cooldown
- 4.3 SP 29.023.04 Level Restoration
- 4.4 SP 23.103.01 Condensate
- 4.5 SP 23.109.01 Feedwater
- 4.6 SP 23.119.01 Reactor Core Isolation Cooling System
- 4.7 SP 23.202.01 High Pressure Coolant Injection
- 4.8 SP 23.203.01 Core Spray System
- 4.9 SP 23.204.01 Low Pressure Coolant Injection
- 4.10 SP 23.106.01 Control Rod Drive System