

PLANT OPERATIONS MANUAL

Volume 5

05-S-01-EP-6

Section 1

Revision C

Date:

EMERGENCY PROCEDURE

CORE COOLING WITHOUT INJECTION

SAFETY RELATED

Prepared: _____ Date _____

Reviewed: _____ Date _____
 Technical Review

Reviewed: _____ Date _____
 Operations Superintendent

Reviewed: _____ Date _____
 Nuclear Plant Quality Superintendent

Approved: _____ Date _____
 Assistant Plant Manager

PSRC: _____ Date _____

List of Effective Pages:

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1.0 PURPOSE

The purpose of this procedure is to cool the reactor core with steam sufficiently to maintain peak cladding temperature (PCT) below 2200°F.

2.0 ENTRY CONDITIONS

This procedure is entered from EP-4 (Level Restoration) when all of the following conditions occurring simultaneously:

- 2.1 Condition 1
RPV water level cannot be determined and no injection or alternate injection subsystem is lined up for injection with at least one pump running.
- 2.2 Condition 2
All of the following simultaneously:
- 2.2.1 RPV water level has decreased to 0" (TAF), and
 - 2.2.2 CPD is not operating, and
 - 2.2.3 No injection or alternate injection subsystem is lined up with at least one pump running.

3.0 OPERATOR ACTIONS

- 3.1 If RPV water level cannot be determined or RPV water level decreases to core midplane (-75" on fuel zone instrumentation), then open one SRV.

NOTE

Fuel zone instrumentation is as follows:

P601 - RHR Section - B21-R615

P610 - RCIC Section - B21-R610

- 3.2 As RPV pressure decreases, open additional SRV's as required by the following table:

<u>RPV PRESSURE (psig)</u>	<u>TOTAL NUMBER OF SRV's OPEN</u>
<input type="checkbox"/> above 800	1
<input type="checkbox"/> between 800 and 500	2
<input type="checkbox"/> between 500 and 350	3
<input type="checkbox"/> between 350 and 250	4
<input type="checkbox"/> between 250 and 175	5
<input type="checkbox"/> between 175 and 125	6
<input type="checkbox"/> below 125	7

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- 3.3 When an injection or alternate injection subsystem is lined up for injection with at least one pump running, then proceed to EP-5 (Rapid RPV Depressurization).

POOR ORIGINAL

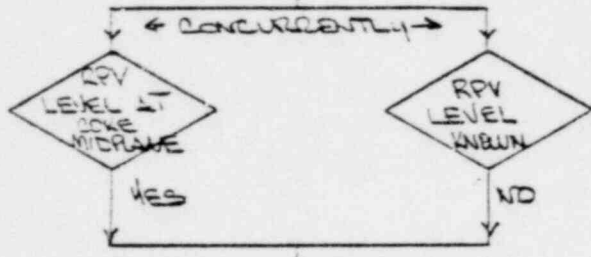
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START CONDITIONS:

- RPV WATER LEVEL AT T2F
- CRD NOT OPERATING
- NO INS OR 1 INS SUB-SYSTEM LINED UP - PUMPS RUNNING



← CONCURRENTLY →



OPEN 1 SRV

OPEN SRV'S AS INDICATED

>800	1
800-500	2
500-250	3
250-175	4
175-125	5
<125	7

