Tennessee Valley Authority, Post Office Box 2000, Decatur, Alabama 35609

June 14, 2000

10 CFR Part 50, APP.E

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D.C. 20555

Gentleman:

In the Matter of	)	Docket Nos. 50-259
Tennessee Valley Authority	)	50-260
		50-296

BROWNS FERRY NUCLEAR PLANT (BFN) - UNITS 1, 2, and 3
EMERGENCY PLAN IMPLEMENTING PROCEDURE (EPIP) REVISIONS

TVA is submitting this notification in accordance with the requirements of 10 CFR Part 50, Appendix E, Section V, to provide NRC with the following EPIP revisions: (1) EPIP Index; and (2) EPIP-1, Revision 29A (Section 1.0). The revision date for the index and EPIP 1 changes is May 23, 2000.

The enclosed information is being sent by certified mail. The signed mail receipt signifies that you have received this information. If you have any questions, please telephone me at (256) 729-2636.

Sincerely,

T. E. Abney
Manager of Licensing
and Industry Affairs

A045

MRR-037

Enclosures
cc (Enclosures):
NRC Resident Inspector
Browns Ferry Nuclear Plant
10833 Shaw Road
Athens, Alabama 35611

(Enclosures provided by
BFN Document Control
Unit)

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ENCLOSURES
TENNESSEE VALLEY AUTHORITY
BROWNS FERRY NUCLEAR PLANT
UNITS 1, 2, AND 3

EMERGENCY PLAN IMPLEMENTING PROCEDURES (EPIP)
EPIP -1

SEE ATTACHED

GENERAL REVISIONS

GENERIC FILING INSTRUCTIONS

FILE DOCUMENTS AS FOLLOWS:

PAGES TO BE REMOVED	PAGES TO BE INSERTED
EPIP INDEX (ALL)	EPIP INDEX (ALL)
EPIP-1 REVISION 29 (Pages 1 and 13-20)	EPIP-1 REVISION 29A (Pages 1 and 13-20)

Unit	Proc Type	Proc Number	Title	Doc Type	Doc Sta FoldSta	Group Sect	Remarks	Reason Chg	Effect Dt	Rev	QR	Lvl	Vault
0	EPIP	EPIP-1/Section I	EMERGENCY CLASSIFICATION PROCEDURE (INTRODUCTION)	PROCEDURE	ACTIVE ACTIVE	OTHER REP		Performers Change Request	04/27/2000	029	Y	100	IN VAULT
0	EPIP	EPIP-1/Section II-1.0	EVENT CLASSIFICATION MATRIX - REACTOR 1.0	PROCEDURE	ACTIVE ACTIVE	OTHER REP	PAGE 18 WILL NOT PRINT ALL CHARACTERS (WILL NEED TO PRINT SEPARATELY)	Performers Change Request	05/23/2000	029A	Y	100	
0	EPIP	EPIP-1/Section II-2.0	EVENT CLASSIFICATION MATRIX - PRIMARY CONTAINMENT 2.0	PROCEDURE	ACTIVE ACTIVE	OTHER REP		Procedure Simplification	11/04/1999	028	Y	100	IN VAULT
0	EPIP	EPIP-1/Section II-3.0	EVENT CLASSIFICATION MATRIX - SECONRDARY CONTAINMENT 3.0	PROCEDURE	ACTIVE ACTIVE	OTHER REP		Performers Change Request	04/27/2000	029	Y	100	IN VAULT
0	EPIP	EPIP-1/Section II-4.0	EVENT CLASSIFICATION MATRIX - RADIOACTIVITY RELEASE 4.0	PROCEDURE	ACTIVE ACTIVE	OTHER REP		Procedure Simplification	03/09/2000	028B	Y	100	IN VAULT
0	EPIP	EPIP-1/Section II-5.0	EVENT CLASSIFICATION MATRIX - LOSS OF POWER 5.0	PROCEDURE	ACTIVE ACTIVE	OTHER REP		Performers Change Request	04/27/2000	029	Y	100	IN VAULT
0	EPIP	EPIP-1/Section II-6.0	EVENT CLASSIFICATION MATRIX - HAZARDS 6.0	PROCEDURE	ACTIVE ACTIVE	OTHER REP		Performers Change Request	04/27/2000	029	Y	100	IN VAULT
0	EPIP	EPIP-1/Section II-7.0	EVENT CLASSIFICATION MATRIX - NATURAL EVENT 7.0	PROCEDURE	ACTIVE ACTIVE	OTHER REP		Procedure Simplification	11/04/1999	028	Y	100	IN VAULT

Unit	Proc Type	Proc Number	Title	Doc Type	Doc Sta FoldSta	Group Sect	Remarks	Reason Chg	Effect Dt	Rev	QR	Lvl	Vault
0	EPIP	EPIP-1/Section II-8.0	EVENT CLASSIFICATION MATRIX - EMERGENCY DIRECTOR JUDGEMENT 8.0	PROCEDURE	ACTIVE ACTIVE	OTHER REP		Performers Change Request	04/27/2000	029	Y	100	IN VAULT
0	EPIP	EPIP-1/Section III-1.0	TECHNICAL BASIS - REACTOR 1.0	PROCEDURE	ACTIVE ACTIVE	OTHER REP		Performers Change Request	04/27/2000	029	Y	100	IN VAULT
0	EPIP	EPIP-1/Section III-2.0	TECHNICAL BASIS - PRIMARY CONTAINMENT 2.0	PROCEDURE	ACTIVE ACTIVE	OTHER REP		Procedure Simplification	11/04/1999	028	Y	100	IN VAULT
0	EPIP	EPIP-1/Section III-3.0	TECHNICAL BASIS - SECONDARY CONTAINMENT 3.0	PROCEDURE	ACTIVE ACTIVE	OTHER REP		Performers Change Request	04/27/2000	029	Y	100	IN VAULT
0	EPIP	EPIP-1/Section III-4.0	TECHNICAL BASIS - RADIOACTIVITY RELEASE 4.0	PROCEDURE	ACTIVE ACTIVE	OTHER REP		Procedure Simplification	03/09/2000	028B	Y	100	IN VAULT
0	EPIP	EPIP-1/Section III-5.0	TECHNICAL BASIS - LOSS OF POWER 5.0	PROCEDURE	ACTIVE ACTIVE	OTHER REP		Procedure Simplification	04/27/2000	029	Y	100	IN VAULT
0	EPIP	EPIP-1/Section III-6.0	TECHNICAL BASIS - HAZARDS 6.0	PROCEDURE	ACTIVE ACTIVE	OTHER REP		Procedure Simplification	04/27/2000	029	Y	100	IN VAULT
0	EPIP	EPIP-1/Section III-7.0	TECHNICAL BASIS - NATURAL EVENTS 7.0	PROCEDURE	ACTIVE ACTIVE	OTHER REP		Procedure Simplification	11/04/1999	028	Y	100	IN VAULT
0	EPIP	EPIP-1/Section III-8.0	TECHNICAL BASIS - EMERGENCY DIRECTOR JUDGEMENT 8.0	PROCEDURE	ACTIVE ACTIVE	OTHER REP		Procedure Simplification	04/27/2000	029	Y	100	IN VAULT

Unit	Proc Type	Proc Number	Title	Doc Type	Doc Sta FoldSta	Group Sect	Remarks	Reason Chg	Effect Dt	Rev	QR	Lvl	Vault
0	EPIP	EPIP-1/TOC	EMERGENCY CLASSIFICATION PROCEDURE (COVER/TOC)	PROCEDURE	ACTIVE ACTIVE	OTHER REP		Performers Change Request	05/23/2000	029A	Y	100	
0	EPIP	EPIP-10	MEDICAL EMERGENCY PROCEDURE	PROCEDURE	ACTIVE ACTIVE	OTHER REP		Performers Change Request	04/23/2000	020	Y	100	IN VAULT
0	EPIP	EPIP-11	SECURITY AND ACCESS CONTROL	PROCEDURE	ACTIVE ACTIVE	OTHER REP		Performers Change Request	03/09/2000	008A	Y	100	IN VAULT
0	EPIP	EPIP-13	RADIOCHEMICAL LABORATORY PROCEDURE	PROCEDURE	ACTIVE ACTIVE	OTHER REP		Performers Change Request	11/04/1999	007	Y	100	IN VAULT
0	EPIP	EPIP-14	RADIOLOGICAL CONTROL PROCEDURES	PROCEDURE	ACTIVE ACTIVE	OTHER REP		Performers Change Request	04/27/2000	015	Y	100	IN VAULT
0	EPIP	EPIP-15	EMERGENCY EXPOSURE	PROCEDURE	ACTIVE ACTIVE	OTHER REP		Performers Change Request	03/09/2000	006A	Y	100	IN VAULT
0	EPIP	EPIP-16	TERMINATION AND RECOVERY PROCEDURE	PROCEDURE	ACTIVE ACTIVE	OTHER REP		Performers Change Request	04/27/2000	004	Y	100	IN VAULT
0	EPIP	EPIP-17	EMERGENCY EQUIPMENT AND SUPPLIES (INVENTORY AND OPERABILITY PROCEDURE)	PROCEDURE	ACTIVE ACTIVE	OTHER REP		Performers Change Request	04/23/2000	024	Y	100	IN VAULT
0	EPIP	EPIP-2	NOTIFICATION OF UNUSUAL EVENT	PROCEDURE	ACTIVE ACTIVE	OTHER REP	TONY FELTMAN EXT. 3666	Performers Change Request	03/09/2000	021A	Y	100	IN VAULT

Unit	Proc Type	Proc Number	Title	Doc Type	Doc Sta / FoldSta	Group / Sect	Remarks	Reason Chg	Effect Dt	Rev	QR	Lvl	Vault
0	EPIP	EPIP-20	PLANT DATA	PROCEDURE	ACTIVE ACTIVE	OTHER REP			06/14/1996	009	Y	100	
0	EPIP	EPIP-21	FIRE EMERGENCY PROCEDURE	PROCEDURE	ACTIVE ACTIVE	OTHER REP		Performers Change Request	05/15/2000	003	Y	100	IN VAULT
0	EPIP	EPIP-3	ALERT	PROCEDURE	ACTIVE ACTIVE	OTHER REP	TONY FELTMAN, 3666	Performers Change Request	03/09/2000	024A	Y	100	IN VAULT
0	EPIP	EPIP-4	SITE AREA_EMERGENCY	PROCEDURE	ACTIVE ACTIVE	OTHER REP	TONY FELTMAN, X3666,	Performers Change Request	03/09/2000	023A	Y	100	IN VAULT
0	EPIP	EPIP-5	GENERAL EMERGENCY	PROCEDURE	ACTIVE ACTIVE	OTHER REP	TONY FELTMAN, X3666	Performers Change Request	03/09/2000	028A	Y	100	IN VAULT
0	EPIP	EPIP-6	ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER (TSC)	PROCEDURE	ACTIVE ACTIVE	OTHER REP	TONY FELTMAN, X3666	Performers Change Request	03/09/2000	020A	Y	100	IN VAULT
0	EPIP	EPIP-7	ACTIVATION AND OPERATION OF THE OPERATIONS SUPPORT CENTER (OSC)	PROCEDURE	ACTIVE ACTIVE	OTHER REP	TONY FELTMAN @ EXT. 3666	Performers Change Request	03/09/2000	018A	Y	100	IN VAULT
0	EPIP	EPIP-8	PERSONNEL ACCOUNTABILITY AND EVACUATION	PROCEDURE	ACTIVE ACTIVE	OTHER REP		Performers Change Request	04/27/2000	012	Y	100	IN VAULT

Total records selected: 34

* * * E N D O F R E P O R T * * *

TENNESSEE VALLEY AUTHORITY

BROWNS FERRY NUCLEAR PLANT

EMERGENCY PLAN IMPLEMENTING PROCEDURE

EPIP-1

EMERGENCY CLASSIFICATION PROCEDURE

REVISION 29A

PREPARED BY: T. W. CORNELIUS PHONE: 2038

RESPONSIBLE ORGANIZATION: EMERGENCY PREPAREDNESS

APPROVED BY: T. W. CORNELIUS DATE: 05/23/2000

EFFECTIVE DATE: 05/23/2000

LEVEL OF USE: REFERENCE USE

VALIDATION DATE: NOT REQUIRED

QUALITY-RELATED

REVISION LOG

Procedure Number: EPIP-1

Revision Number 29A

Pages Affected: 1, 17, 19

Description of Change:

EC - 40 This editorial change is being submitted to correct headers on page 17 and 19. Page 1 is being revised to update index revision numbers.

TABLE OF CONTENTS

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REACTOR
1.0

NOTES:

1.1-U1/1.1-A1 Applicable when the Reactor Head is removed and the Reactor Cavity is flooded.

1.1-S1 Applicable in Mode 5 when the Reactor Head is installed.

1.1-G2 The reactor will remain subcritical under all conditions without boron when:

- All control rods are inserted to or beyond position 02
- All control rods except one are inserted to or beyond position 00
- Determined by reactor engineering

CURVES/TABLES:

TABLE 1.1 - G2
MINIMUM ALTERNATE RPV FLOODING PRESS

NUMBER OF OPEN MSRVs	MARFP (PSIG)
6 or More	180
5	220
4	280

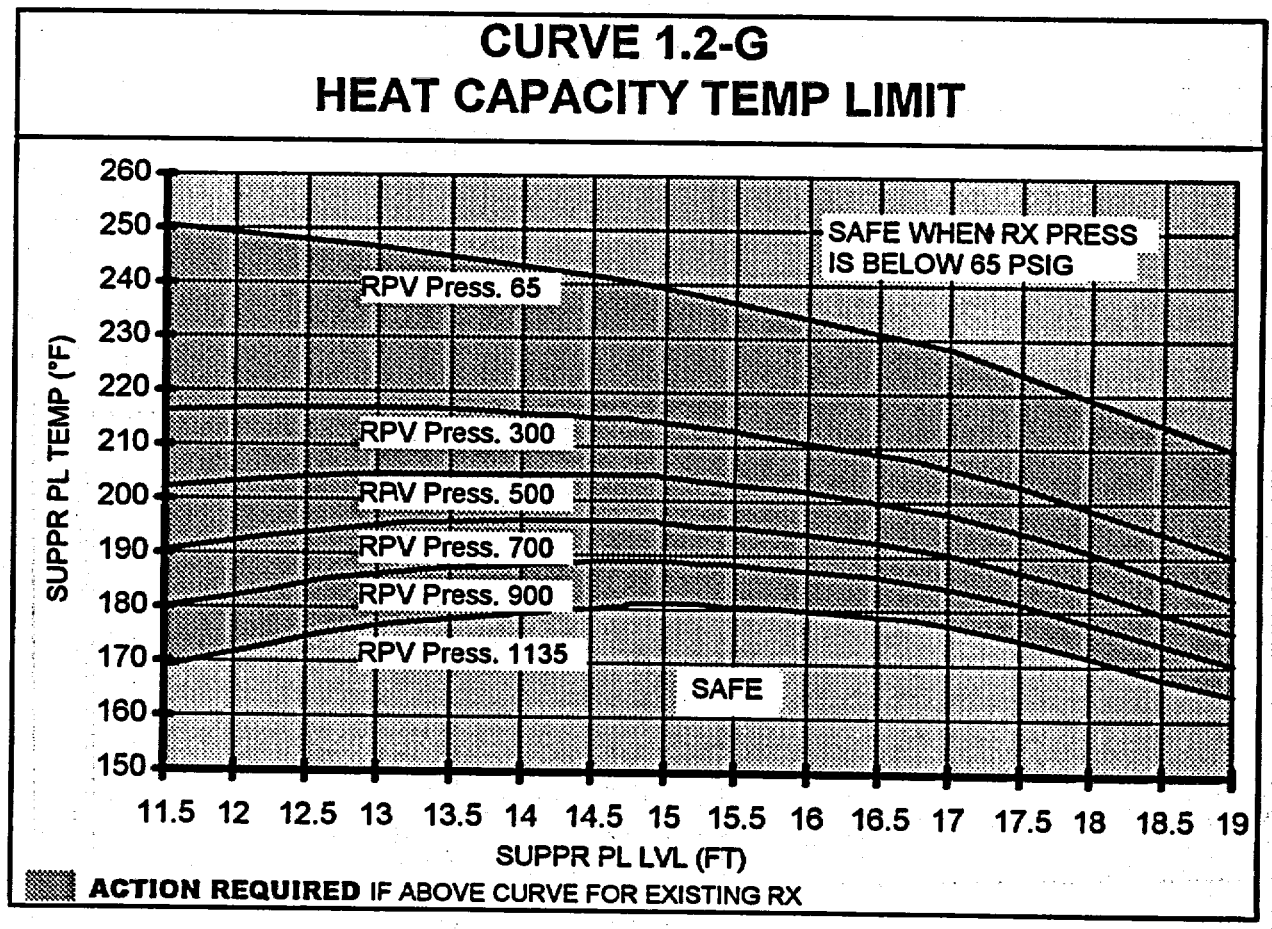
WATER LEVEL

DESCRIPTION	DESCRIPTION	
1.1-U1 N Uncontrolled water level decrease in Reactor Cavity with irradiated fuel assemblies expected to remain covered by water. OPERATING CONDITION: - Mode 5	**1.1-U2** Uncontrolled water level decrease in Spent Fuel Pool with irradiated fuel assemblies expected to remain covered by water. OPERATING CONDITION: - All	UNUSUAL EVENT
1.1-A1 N Uncontrolled water level decrease in Reactor Cavity expected to result in irradiated Fuel assemblies being uncovered. OPERATING CONDITION: - Mode 5	**1.1-A2** Uncontrolled water level decrease in Spent Fuel Storage Pool expected to result in irradiated fuel assemblies being uncovered. OPERATING CONDITION: - All	ALERT
1.1-S1 N Reactor water level CANNOT be maintained above -162 IN. (TAF) OPERATING CONDITION: - All	**1.1-S2** Reactor water level CANNOT be determined. OPERATING CONDITION: - Mode 1 - Mode 3 - Mode 2	SITE EMERGENCY
1.1-G1 Reactor water level CANNOT be restored and maintained above -190 IN. OPERATING CONDITION: - Mode 1 - Mode 3 - Mode 2	**1.1-G2** T N Reactor water level CANNOT be determined AND EITHER of the following conditions exists: • The reactor will remain subcritical w/o boron under all conditions and Less than 4 MSRVs can be opened, or Reactor pressure CANNOT be restored and maintained at least 65 PSI above Suppression Chamber pressure. • It has NOT been determined that the reactor will remain subcritical w/o boron under all conditions and unable to restore and maintain MARFP in Table 1.1-G2. OPERATING CONDITION: - Mode 1 - Mode 3 - Mode 2	GENERAL EMERGENCY

NOTES:

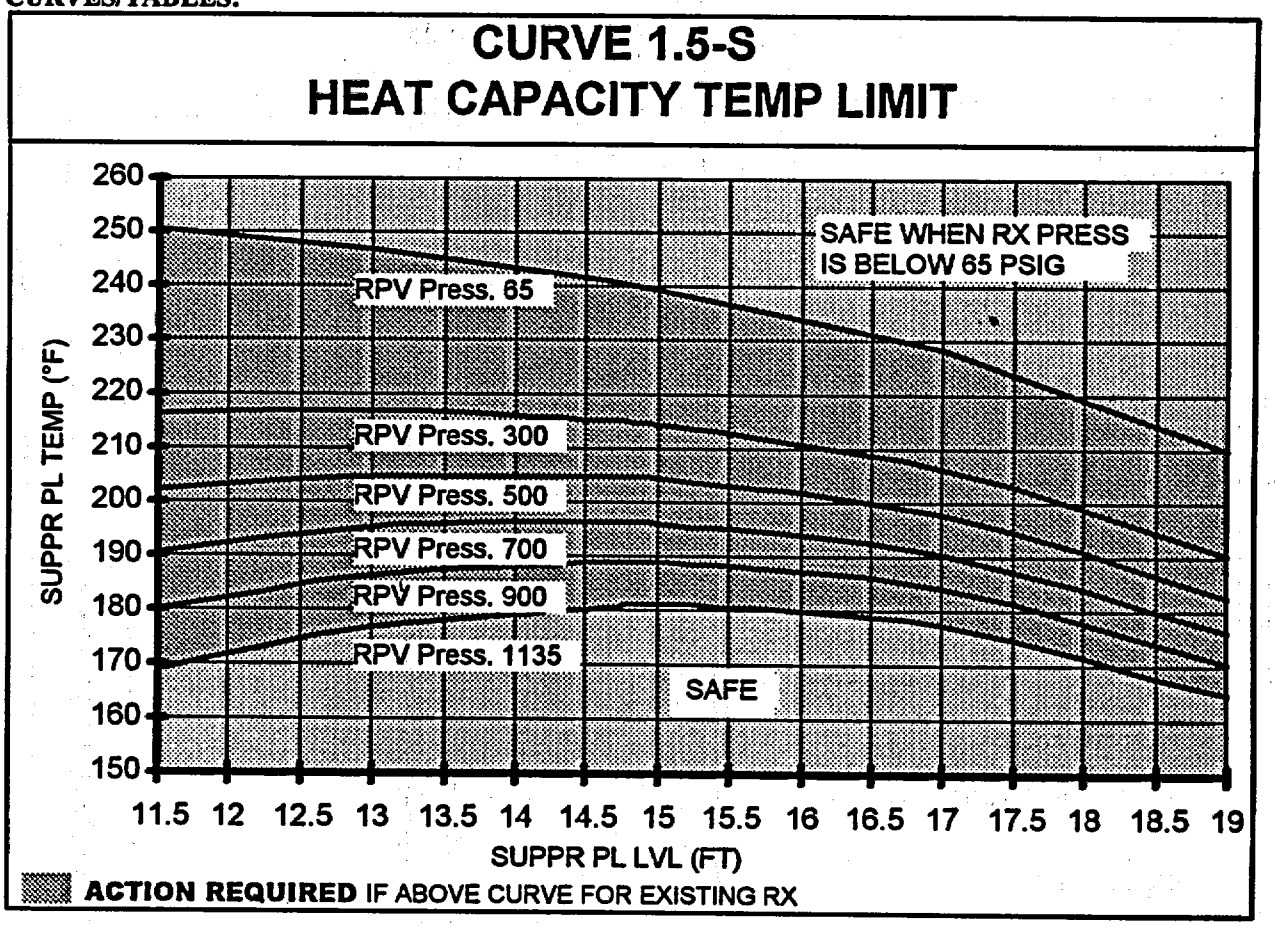
1.2 Subcritical is defined as Reactor power below the heating range and not trending upward.

CURVES/TABLES:



SCRAM FAILURE DESCRIPTION	REACTOR COOLANT ACTIVITY DESCRIPTION	
	1.3-U Reactor coolant activity exceeds 26 µCi/gm dose equivalent I-131 (Technical Specification Limit) as determined by chemistry sample. OPERATING CONDITION: - ALL	UNUSUAL EVENT
1.2-A N Failure of automatic scram functions to bring the Reactor subcritical **AND** Manual scram or ARI was successful. OPERATING CONDITION: - Mode 1 - Mode 2	**1.3-A** Reactor coolant activity exceeds 300 µCi/gm dose equivalent Iodine-131 as determined by chemistry sample. OPERATING CONDITION: - Mode 1 - Mode 3 - Mode 2	ALERT
1.2-S N Failure of automatic scram, manual scram, and ARI to bring the Reactor subcritical. OPERATING CONDITION: - Mode 1		SITE EMERGENCY
1.2-G G Failure of automatic scram, manual scram, and ARI. Reactor power >3% **AND** EITHER of the following conditions exists: • Suppression Pool temp exceeds HCTL. Refer to Curve 1.2-G. • Reactor water level CANNOT be restored and maintained at or above -190 IN. OPERATING CONDITION: - Mode 1 - Mode 2		GENERAL EMERGENCY

CURVES/TABLES:



MSL/OFFGAS RADIATION	LOSS OF DECAY HEAT REMOVAL	
DESCRIPTION	DESCRIPTION	
1.4-U Valid MAIN STEAM LINE RADIATION HIGH-HIGH alarm, RA-90-135C **OR** Valid OG PRETREATMENT RADIATION HIGH alarm, RA-90-157A. OPERATING CONDITION: - Mode 1 - Mode 3 - Mode 2		UNUSUAL EVENT
	1.5A Reactor moderator temperature CANNOT be maintained below 212° F whenever Technical Specifications require Mode 4 conditions or during operations in Mode 5. OPERATING CONDITION: - Mode 4 - Mode 5	ALERT
	1.5-S  Suppression Pool temperature, level and RPV pressure CANNOT be maintained in the safe area of Curve 1.5-S. OPERATING CONDITION: - Mode 1 - Mode 3 - Mode 2	SITE EMERGENCY
		GENERAL EMERGENCY

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