

RADIOLOGICAL EMERGENCY PLAN

Revision Date: IP-19 PORC 3/28/84 (Issued APR 6 1984)

This log sheet must be retained as the last page of the Browns Ferry
Implementing Procedures Document.

Reason for revision: See Cover Sheet.

Inserted by: _____

Date Inserted: _____

<u>Pages to be Removed</u>			<u>New Pages to be Inserted</u>		
Part	Page Number	Revision	Part	Page Number	Revision
List of Effective Pages	1 of 8 5 of 8	3/28/84 3/28/84	List of Effective Pages	1 of 8 5 of 8	4/3/84 4/3/84
IP-19	Cover Sheet 3 of 34	11/10/83 10/19/83	IP-19	Cover Sheet 3 of 34	3/28/84 3/28/84

8405040302 840430
PDR ADOCK 05000259
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TENNESSEE VALLEY AUTHORITY

BROWNS FERRY NUCLEAR PLANT IMPLEMENTING PROCEDURES DOCUMENT

LIST OF EFFECTIVE PAGES

This List of Effective Pages must be retained with the Browns Ferry Nuclear Plant Implementing Procedures Documents.

Part	Procedure Number	Subdivision	Page Number	Date/Rev. No.
BFN		List of Effective Pages	1 of 8	04/03/84
			2 of 8	03/28/84
			3 of 8	03/19/84
			4 of 8	03/28/84
			5 of 8	04/03/84
			6 of 8	02/14/84
			7 of 8	01/20/84
			8 of 8	01/20/84
		Table of Contents	Coversheet	03/14/84
			1 of 1	03/14/84
IP-1		Preface	Coversheet	03/14/84
			1 of 1	10/12/83
IP-1			1 of 11	03/14/84
			2 of 11	03/14/84
			3 of 11	10/19/82
			4 of 11	10/19/82
			5 of 11	10/19/82
			6 of 11	10/12/83
			7 of 11	10/19/82
			8 of 11	10/19/82
			9 of 11	03/14/84
			10 of 11	10/12/83
			11 of 11	03/14/84
IP-2			Coversheet	01/19/84
			1 of 3	01/19/84
			2 of 3	01/19/84
			3 of 3	02/04/83
IP-3			Coversheet	03/20/84
			1 of 3	03/20/84
			2 of 3	03/20/84
			3 of 3	03/20/84

LIST OF EFFECTIVE PAGES (Con't)

Part	Procedure Number	Subdivision	Page Number	Date/Rev. No.
BFN (Cont'd)	IP-17	Figure 1	1 of 1	06/30/81
		Figure 2	1 of 1	04/22/82
		Figure 3	1 of 1	Rev. 0
	IP-19	Coversheet		03/28/84
		1 of 34		10/19/83
		2 of 34		10/19/83
		3 of 34		03/28/84
		4 of 34		10/19/83
		5 of 34		10/19/83
		6 of 34		11/10/83
		7 of 34		10/19/83
		8 of 34		10/19/83
		9 of 34		10/19/83
		10 of 34		10/19/83
		11 of 34		10/19/83
		12 of 34		10/19/83
		13 of 34		10/19/83
		14 of 34		10/19/83
		15 of 34		10/19/83
		16 of 34		10/19/83
		17 of 34		10/19/83
		18 of 34		10/19/83
		19 of 34		10/19/83
		20 of 34		10/19/83
		21 of 34		10/19/83
		22 of 34		10/19/83
		23 of 34		10/19/83
		24 of 34		10/19/83
		25 of 34		10/19/83
		26 of 34		10/19/83
		27 of 34		10/19/83
		28 of 34		10/19/83
		29 of 34		10/19/83
		30 of 34		10/19/83
		31 of 34		10/19/83
		32 of 34		10/19/83
		33 of 34		10/19/83
		34 of 34		10/19/83
	IP-20	Coversheet		03/20/84
		1 of 3		01/19/84
		2 of 3		10/19/83
		3 of 3		03/20/84

***Revision**

CONTENTS

CHAPTER 1 - INTRODUCTION	3
CHAPTER 2 - SYSTEM STARTUP	4
CHAPTER 3 - FUNCTION SELECT PROCEDURE	5
CHAPTER 4 - DESCRIPTION OF FUNCTIONS	6-11
CHAPTER 5 - MODULE DESCRIPTION:	
5.1 - CREATE MODULE	13-15
5.2 - EDIT MODULE	16-17
5.3 - RELEASE MODULE	18
5.4 - LIST MODULE	19
5.5 - DISPLAY MET DATA MODULE	20-23

*Revision

RADIOLOGICAL EMERGENCY PLAN

Revision Date: IP-1 PORC 4/6/84 (Issued APR 13 1984)

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Implementing Procedures Document.

Reason for revision: See cover sheet.

Inserted by: _____ Date Inserted: _____

<u>Pages to be Removed</u>			<u>New Pages to be Inserted</u>		
<u>Part</u>	<u>Page Number</u>	<u>Revision</u>	<u>Part</u>	<u>Page Number</u>	<u>Revision</u>
List of Effective Pages	1 of 8	4/3/84	List of Effective Pages	1 of 8	4/13/84
IP-1	Cover Sheet	3/14/84	IP-1	Cover Sheet	4/6/84
	4 of 11	10/19/82		4 of 11	4/6/84
	6 of 11	10/12/83		6 of 11	4/6/84

TENNESSEE VALLEY AUTHORITY

BROWNS FERRY NUCLEAR PLANT IMPLEMENTING PROCEDURES DOCUMENT

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Part	Procedure Number	Subdivision	Page Number	Date/Rev. No.
BFN		List of Effective Pages	1 of 8	04/13/84
			2 of 8	03/28/84
			3 of 8	03/19/84
			4 of 8	03/28/84
			5 of 8	04/03/84
			6 of 8	02/14/84
			7 of 8	01/20/84
			8 of 8	01/20/84
		Table of Contents	Coversheet	03/14/84
			1 of 1	03/14/84
IP-1		Preface	Coversheet	04/06/84
			1 of 1	10/12/83
IP-1			1 of 11	03/14/84
			2 of 11	03/14/84
			3 of 11	10/19/82
			4 of 11	04/06/84
			5 of 11	10/19/82
			6 of 11	04/06/84
			7 of 11	10/19/82
			8 of 11	10/19/82
			9 of 11	03/14/84
			10 of 11	10/12/83
			11 of 11	03/14/84
IP-2			Coversheet	01/19/84
			1 of 3	01/19/84
			2 of 3	01/19/84
			3 of 3	02/04/83
IP-3			Coversheet	03/20/84
			1 of 3	03/20/84
			2 of 3	03/20/84
			3 of 3	03/20/84

PERMANENT INSTRUCTION CHANGE INFORMATION

Instruction Number BFN, IP-1

Unit No. N/A

Title Emergency Plan Classification
Logic

Reason For Revision Clarify; add commitment
to an AERT for liquid release (made to
state of Alabama), clarify logic
diagram concerning meteorological
instrumentation

Pages Affected Page 6 of 11, 4 of 11

History of Revisions (For DCU
Use Only)

Approval Date/Affected Pages
<u>4/06/84</u> / <u>4 of 11, 6 of 11</u>
<u>3/14/84</u> / <u>1, 2, 9, 11</u>
<u>1/12/84</u> / <u>2</u>
<u>10/12/83</u> / <u>1, 6, 10</u>
<u>7/06/83</u> / <u>10</u>
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Is this change in response to an LER, IE Bulletin, NRC Inspection Report,
Management/Supervisor Inspection, OQAB audit, etc.? Yes _____ No X
(If yes, specify document under reason for revision.)

Change in procedural detail of FSAR or other licensing document?
Yes _____ No X; New instruction? Yes _____ No X
(If yes to either question, a USQD is required.)

Is this a work plan initiated change? _____ Yes (Work Plan No. _____) X No

Fire Protection System involved? Yes _____ No X (If yes, review and
signature of fire protection engineer is required.)

NA
Fire Protection Engineer

Was this change made to meet a NRC commitment? Yes _____ No X
(If yes, refer to BF 2.3 for proper identification of the change.)

Security System involved? Yes _____ No X (If yes, review and
signature of Public Safety Services Supervisor is required.)

Kevin M. Mahan 3/15/84
Chinn 14/2/84
Prepared By _____ Date _____
Chinn 14/2/84
Submitted By _____ Date _____

NA
Public Safety Services Supervisor

JE Swindell 4/6/84
PORC Chairman _____ Date _____
DTX 14/9/84
Plant Superintendent _____ Date _____

Retention: Period - Lifetime; Responsibility - Document Control Supervisor
(Note: If this is a new instruction or instruction deletion, document control
will update the source document matrix.)

Revision

EQUIPMENT

INSTRUMENTATION AND CONTROLS

LOSS OF INSTRUMENTATION THAT MONITORS
DRYWELL AND TORUS ATMOSPHERE (SI-2)

IP-2 NOTIFICATION OF
AN UNUSUAL EVENT

LOSS OF COMPUTER REQUIRING SHUTDOWN

IP-2 NOTIFICATION OF
AN UNUSUAL EVENT

LOSS OF ALL METEROLOGICAL INSTRUMENTATION
*(Both RRRMS AND AT METEOROLOGICAL TOWER)

IP-2 NOTIFICATION OF
AN UNUSUAL EVENT

*LOSS OF RPIS

IP-2 NOTIFICATION OF
AN UNUSUAL EVENT

LOSS OF EFFLUENT MONITORS REQUIRING SHUTDOWN

IP-2 NOTIFICATION OF
AN UNUSUAL EVENT

LOSS OF REQUIRED NEUTRON MONITORING

IP-2 NOTIFICATION OF
AN UNUSUAL EVENT

LOSS OF PAX SYSTEM

IP-2 NOTIFICATION OF
AN UNUSUAL EVENT

CONTROL ROOM

EVACUATION OR ANTICIPATED EVACUATION

IP-3 ALERT

EVACUATION AND CONTROL FROM BACKUP
CONTROL ROOM NOT ESTABLISHED WITHIN
15 MINUTES

IP-4 SITE AREA EMERGENCY

TURBINE AND CONDENSER

RAPID SHUTDOWN DUE TO SUSPECTED FAILURE
OR TURBINE ROTATING COMPONENT

IP-2 NOTIFICATION OF
AN UNUSUAL EVENT

TURBINE CASING FAILURE

IP-3 ALERT

*Revision

*Commitment
to
State of Ala.

LIQUID

- EXCEEDING TECH SPECS (3.8.A.1., 2, or 5)
 - * (Radiation monitor plus confirmation by Radiochemical Laboratory Analysis) _____
- * EXCEEDING 10 CFR 20 LIMITS BY A FACTOR OF 10 _____
- * LIQUID RELEASE THAT CAN NOT BE TERMINATED _____

IP-2 NOTIFICATION OF
AN UNUSUAL EVENT

IP-3 ALERT

IP-3 ALERT

IP-2 NOTIFICATION
OF AN UNUSUAL EVENT

IP-2 NOTIFICATION
OF AN UNUSUAL EVENT

IP-3 ALERT

RADIOACTIVE
ADIOLOGICAL- EFFLUENTS

- EXCEEDING TECH SPECS _____
- UNEXPLAINED ISOLATION OFF GAS SYSTEM DUE TO POST TREATMENT MONITOR (RR-90-265) _____

(1) STACK RELEASE RATE ($>3.5 \text{ E}+6 \text{ uCI/SEC}$)

OR

BUILDING RELEASE RATE ($>1.2 \text{ E}+4 \text{ uCI/SEC}$)
(Corresponds to 2.5 mrem/hr thyroid from
noble gas and iodine mix)

(1) STACK RELEASE RATE ($>9.3 \text{ E}+7 \text{ uCI/SEC}$) FOR 1/2 HR DURATION

OR

BUILDING RELEASE RATE ($>1.7 \text{ E}+5 \text{ uCI/SEC}$) FOR 1/2 HR DURATION
(Corresponds to 250 mrem/hr thyroid from noble gas and iodine mix)

IP-4 SITE AREA
EMERGENCY

(1) STACK RELEASE RATE ($>9.3 \text{ E}+8 \text{ uCI/SEC}$) FOR 2 MIN. DURATION

OR

BUILDING RELEASE RATE ($>1.7 \times 10^6 \text{ uCI/SEC}$) for 2 MIN. DURATION
(Corresponds to 2500 mrem/hr thyroid from noble gas and iodine mix)

IP-4 SITE AREA
EMERGENCY

(1) STACK RELEASE RATE ($>1.8 \text{ E}+9 \text{ uCI/SEC}$)

OR

BUILDING RELEASE RATE ($>3.4 \text{ E}+6 \text{ uCI/SEC}$)
(Corresponds to 5000 mrem/hr thyroid from noble gas and iodine mix)

IP-5 GENERAL
EMERGENCY

NRC/C

GASEOUS

Page 6 of 11
BEN, IPD
BEN IP-1
4/6/84

(1) Based on calculations from SI 4.8.B.1.a.