

# REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

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 FACIL: 50-259 Browns Ferry Nuclear Power Station, Unit 1, Tennessee 05000259  
 50-260 Browns Ferry Nuclear Power Station, Unit 2, Tennessee 05000260  
 50-296 Browns Ferry Nuclear Power Station, Unit 3, Tennessee 05000296

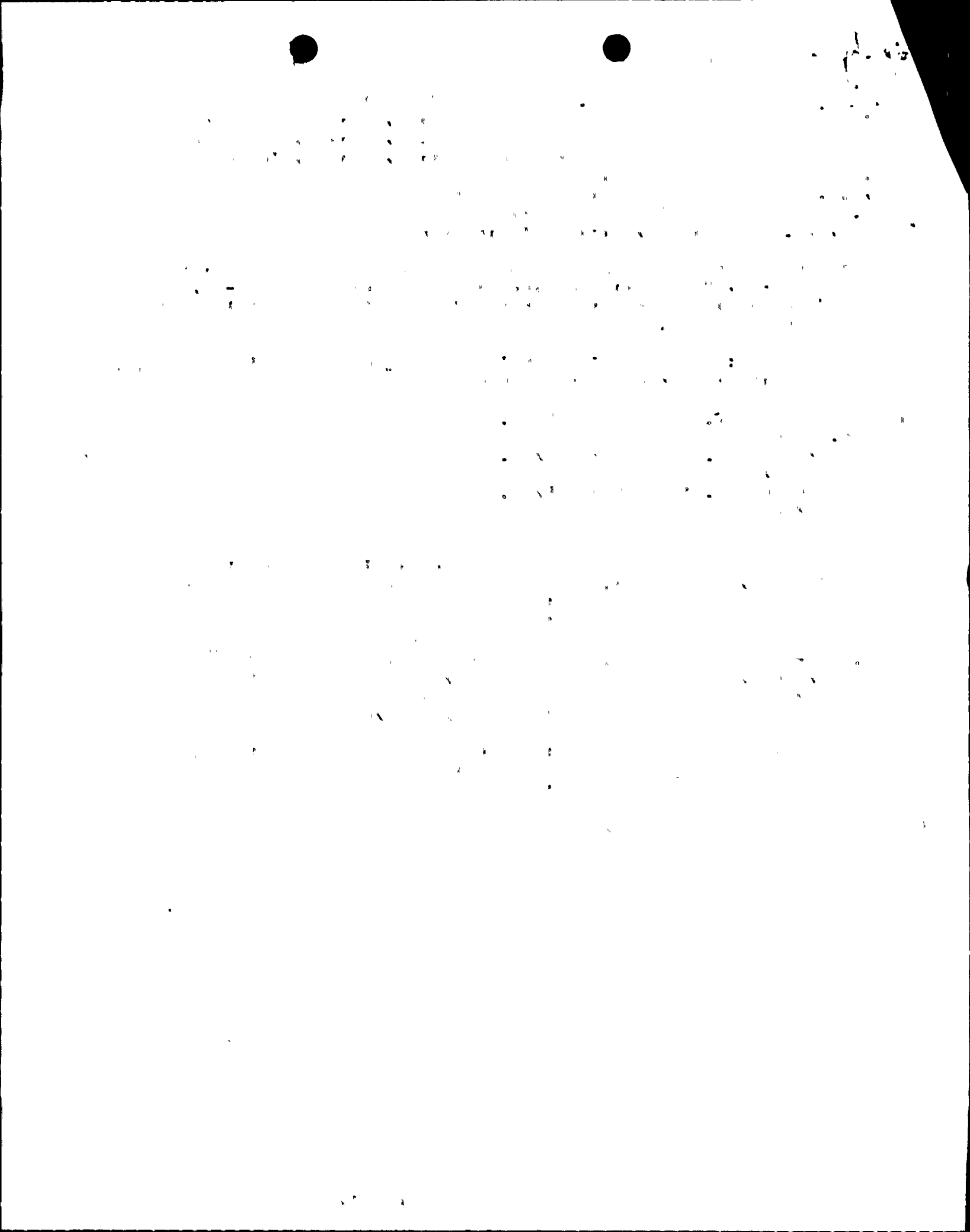
AUTH. NAME AUTHOR AFFILIATION  
 MILLS, L.M. Tennessee Valley Authority  
 RECIP. NAME RECIPIENT AFFILIATION  
 O'REILLY, J.P. Region 2, Office of Director

SUBJECT: Forwards revs to implementing procedures document, consisting of IP-16, "Activation of Technical Support Ctr" & IP-20, "Technical Support Ctr Operation" & Rev 14 to "Radiological Emergency Plan."

DISTRIBUTION CODE: A0455 COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 1+16  
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NOTES: NMSS/FCAF 1cy. 1cy NMSS/FCAF/PM. 05000259  
 OL: 06/26/73  
 NMSS/FCAF 1cy. 1cy NMSS/FCAF/PM. 05000260  
 OL: 06/28/74  
 NMSS/FCAF 1cy. 1cy NMSS/FCAF/PM. 05000296  
 OL: 07/02/76

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EXTERNAL: FEMA TECH HAZ	1 1	LPDR 03	1 1
NRC PDR 02	1 1	NSIC	1 1
NTIS 05	1 1		
NOTES:	2 2		



TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

400 Chestnut Street Tower II

July 27, 1984

U.S. Nuclear Regulatory Commission  
Region II  
Attn: Mr. James P. O'Reilly, Regional Administrator  
101 Marietta Street, NW, Suite 2900  
Atlanta, Georgia 30303

Dear Mr. O'Reilly:

In the Matter of the )  
Tennessee Valley Authority )

Docket Nos. 50-259  
50-260  
50-296

In accordance with the requirements of 10 CFR Part 50.54, enclosed are copies of revisions to the Browns Ferry Implementing Procedures Document dated July 2, 1984. Also copies of the Browns Ferry Radiological Emergency Plan dated June 29, 1984.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

L. M. Mills, Manager  
Nuclear Licensing

Enclosures (2)

cc: Office of Nuclear Reactor Regulation (Enclosures)  
Attn: Document Control Desk  
U.S. Nuclear Regulatory Commission ✓  
Washington, D.C. 20555

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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 9	06/13/84
			2 of 9	06/06/84
			3 of 9	05/14/84
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			5 of 9	05/24/84
			6 of 9	05/24/84
			7 of 9	05/14/84
			8 of 9	06/13/84
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		Table of Contents	1 of 1	05/04/84
	IP-1	Coversheet		05/30/84
		Preface	1 of 1	10/12/83
			1 of 11	03/14/84
			2 of 11	03/14/84
			3 of 11	10/19/82
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	IP-2	Coversheet		04/17/84
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			3 of 3	02/04/83
	IP-3	Coversheet		04/17/84
			1 of 3	04/17/84
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			3 of 3	04/17/84

57-259

7/27/84

Old

Superseded per revision to Implementing Procedures



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BFN (Cont'd)	IP-3	Table 1	1 of 1	10/12/83
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	IP-4		Coversheet	04/17/84
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			2 of 3	04/17/84
			3 of 3	03/20/84
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		Table 2	1 of 1	10/12/83
	IP-5		Coversheet	04/17/84
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	IP-6		Coversheet	05/25/84
			1 of 1	03/08/84
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		Attachment 3	1 of 2	05/25/84
			2 of 2	"
	IP-7		Coversheet	04/17/84
			1 of 1	12/21/81
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	IP-8		Coversheet	04/17/84
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		Attachment 1 (deleted)	1 of 1	03/14/84
	IP-9 (deleted)		Coversheet	03/14/84





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		Figure 3	1 of 1	Rev. 0
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			28 of 34	10/19/83
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	IP-20		Coversheet	05/15/84
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		Attachment B	1 of 1	05/15/84
		Attachment C	1 of 1	04/07/83
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	IP-21	Coversheet	1 of 1	04/17/84
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		Figure 1	1 of 1	04/07/83
		Figure 2	1 of 1	04/22/82
	IP-22	Coversheet	1 of 1	04/17/84
			1 of 1	04/17/84



## PERMANENT INSTRUCTION CHANGE INFORMATION

Instruction Number IP-6  
Unit No. 1, 2 & 3Title ACTIVATION OF THE TECHNICAL  
SUPPORT CENTERReason For Revision PERSONNEL CHANGES  
phone number changesPages Affected ATTACHMENT 2, PAGE 1  
ATTACHMENT 3, PAGES 1 & 2History of Revisions (For DCU  
Use Only)

Approval Date/Affected Pages

5/25/84 / 1 (Att. 2)

5/25/84 / 1, 2 (Att. 3)

5/15/84 / 2 (Att. 2)

4/17/84 / 1, 2 (Att. 1)

4/17/84 / 1, 2 (Att. 2)

4/17/84 / 2 (Att. 3)

Is this change in response to an LER, IE Bulletin, NRC Inspection Report,  
\*Management/Supervisor Inspection, OQAB audit, etc.? Yes ☐ No ☒  
(If yes, specify document under reason for revision.)

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

Is this a work plan initiated change? ☐ Yes (Work Plan No. ☐) ☒ No

Fire Protection System involved? Yes ☐ No ☒ (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 ☒  
(If yes, refer to BF 2.3 for proper identification of the change.)

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

NA  
Public Safety Services SupervisorPrepared By E. J. Rogers Date 15-23-84Submitted By A. C. Chen Date 15/23/84C. E. Swindell Date 15/25/84  
PORC ChairmanJ. R. [Signature] Date 15/25/84  
Plant Superintendent

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



ATTACHMENT 1 - TEAM 1 (Continued)

<u>Time Contacted</u>	<u>Position</u>	<u>Name</u>	<u>PAX</u>	<u>DIM</u>	<u>HOME</u>	<u>PAGE</u>
* _____	Radiochemical Engineer	Jim Clark	443/436	672	533-2120	
_____	Reactor Engineer	Earl Nave	455/456	845	881-6810	184
_____	Instrument Engineer	Ron Burns	168	781	353-4992	168
_____	PSO Engineer	Leonard Bynum	394/395	819	539-5454	256
_____	PSS Supervisor	Ralph Jackson	266/246	822	757-3509	246
_____	Systems and Test Engineer	Roger McPherson	171/272	834	355-6518	272
_____	Electrical Engineer	Tom Cosby	207/235	797	232-8779	235
_____	Mechanical Engineer	Charlie Wages	206/241	881	383-8878	202
_____	Computer Engineer	Larry Johnson	418	782	233-0417	264
_____	Quality Engineer	Larry Jones	100/106	831	233-4848	106
* _____	Information Officer	Frank Cason	413	839	355-3520 (Decatur Inn)	104

\*Revision

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BFD - IPD  
BFD, IP-6  
Attachment 1  
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PERMANENT INSTRUCTION CHANGE INFORMATION

Instruction Number IP-20  
Unit No. 1, 2, 3  
Title Technical Support Center (TSC)  
Operation

Reason For Revision Clarify, change duties,  
add information based on annual DORC  
review and annual retraining

Pages Affected 1, 2, 3, 4; Att A, pgs 1, 2, 3;  
Att G, pgs 2, 3, 4; Att J, pgs 2, 3;  
Att K, pg 1; Att M, pgs 1, 2, 3, 4 (added)

History of Revisions (For DCC  
Use Only)

Approval Date	Affected Pages
4/17/84	/ 1, 2, 3, addendum 4
4/17/84	/ 1, 2, 3 (Att. A)
4/17/84	/ 2, 3, 4 (Att. G)
4/17/84	/ 2, 3 (Att. J)
4/17/84	/ 1 (Att. K)
4/17/84	/ Addendum 1-4 (Att. M)
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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 ☒  
(If yes, specify document under reason for revision.)

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

Is this a work plan initiated change? ☐ Yes (Work Plan No. ☐) ☒ No

Fire Protection System involved? Yes ☐ No ☒ (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 ☒  
(If yes, refer to BF 2.3 for proper identification of the change.)

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

NA  
Public Safety Services Supervisor

A. Chinn 1/4/1/84  
Prepared By Date

A. Chinn 1/4/1/84  
Submitted By Date

J.E. Swindell 1/4/17/84  
PORC Chairman Date

D.T. Jam 1/4/18/84  
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



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TECHNICAL SUPPORT CENTER (TSC)  
OPERATION

1.0 PURPOSE

To establish the TSC organization and provide for TSC operation after it is manned.

2.0 INSTRUCTIONS

2.1 INITIAL ACTIVATION (Performed by shift engineer and/or first individuals reporting to TSC - Confirmation by REP Communicator)

Initials    Time

- |       |       |  |
|-------|-------|--|
| _____ | _____ | a. Shift engineer designated by schedule as Site Emergency Director) relocate to TSC, if possible. |
| _____ | _____ | b. Activate TSC phones (see Attachment C).   |
| _____ | _____ | c. Establish communications with DNPEC.  |
| _____ | _____ | d. Establish log of events/communications.   |
| _____ | _____ | e. Transfer names of TSC personnel from IP-6 data sheets to REP Organization Board.                |
| _____ | _____ | f. Establish communications with NRC via Red Phone (if required).                                  |
| _____ | _____ | g. Move desks and phones to hallway for Secretary, Information Officer, and PSS Supervisor.        |

2.2 COMPLETE ACTIVATION (After majority of TSC personnel have arrived - Confirmed by REP Communicator).

- |       |       |  |
|-------|-------|--|
| _____ | _____ | a. REP Communicator assure TSC positions are filled.                     |
| _____ | _____ | b. REP Communicator begin maintaining plant status board.                |
| _____ | _____ | c. Site Emergency Director relieve shift engineer. Obtain log of events. |
| _____ | _____ | d. Secretary take over log of events/communications.                     |

\* Note: Key to IBM copier is in Safeguards box in shift engineer's old office.

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Initials      Time

- |  |       |   |  |
|--|-------|---|--|
| _____  | _____ | * | e. REP Communicator establish communication with DNPEC Plant Communicator. Verify operability of backup Communications (PAX and PSO radio).                          |
| _____  | _____ |   | f. Technical assessment manager direct TSC communicator to begin completing IP-20 data sheets (see Attachment A) every 1/2-hour.                                     |
| _____  | _____ |   | g. Technical assessment manager establish communications with TSC communicator in control room using portable phone. (Unit 1 - 628, Unit 2 - 629, Unit 3 - 630).     |
| _____  | _____ |   | h. Maintenance engineers establish communications with OSC. Designate individual in charge if Maintenance Unit Supervisor not available. Maintain log of activities. |
| PAX Numbers:<br><u>Mechanical</u> 301/310/308/114/102/305/306<br><u>Electrical</u> 307/145/407<br><u>Instrumentation</u> 375/376/425/426/359/184/187 |       |   |  |
| _____  | _____ | * | i. Computer Specialist activate Emergency Data Information system (See IP-19).   |
| _____  | _____ |   | j. Secretary begin operation of telefax machine (see attachment F).  |
| _____  | _____ |   | k. NRC communicator establish communications with NRC (if required).   |
| _____  | _____ | * | l. QE representative begin maintaining area maps and off-site radiation status board.  |
| _____  | _____ |   | m. Health physicist begin maintaining in-plant radiation status boards.  |
| _____  | _____ |   | n. Radiochemical engineer begin providing information to KEC for projected dose calculations.  |
| _____  | _____ |   | o. Health physicist begin providing release information and any plant field team data to MSEC for dose calculations.   |
| _____  | _____ |   | p. Secretary (in hall) begin accountability of TSC personnel.  |
| _____  | _____ |   | q. Site emergency director will reevaluate emergency conditions in accordance with IP-1 every two hours or more often if conditions warrant.                         |

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### 2.3 OTHER INFORMATION

- a. Organization chart is shown on Figure 1.
- b. Physical layout of TSC is shown on Figure 2.
- c. Lunchroom (Swamp) is available for breaks and extra work space.
- d. Reference books for TSC use are listed on Attachment D.
- e. Complete list of TSC dimension numbers - See Attachment B.
- f. See IP-23 for communication list.
- g. List of DNPEC/CECC Numbers - See Attachment E.
- h. Refer to Attachment K for Emergency Information Flow Diagram.
- \* i. River flows and/or predicted flows - In shift engineer's old office.
- j. Complete list of TSC duties for each individual - See Attachment G.
- k. Instructions to obtain printout of leakage in systems outside containment - See Attachment L.
- \* l. Preformatted trend curve blanks for selected parameters (see attachment M).

### 2.4 CONTINGENCIES

- a. Long-term operation - See IP-22.
- b. Loss of off-site communication by phone. Use PSO Radio - See Attachment H.
- c. NRC order - The NRC role onsite is to observe, advise, and concur with licensee decisions and actions. If a situation arises where the NRC wants an action taken regarding plant operation that TVA does not agree with, the site emergency director shall require the NRC to sign a written order (per 10 CFR 2) directing TVA to take the action before the site emergency director will comply.
- d. Using HP VHF radio - See Attachment I.
- e. Evacuation - Relocate TSC to second level of office building. See Attachment J.





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f. Activity control - Activity control (Maintenance, etc.) will remain as specified in plant instructions, unless revised by PORC and plant manager/plant superintendents, or as modified by NRC order or as described in BF 12.22 (for protecting public health and safety).

g. Under a SITE AREA or GENERAL EMERGENCY, CECC will dispatch a senior management representative to act as Senior Advisor to the Site Emergency Director. He will advise the Site Emergency Director on TVA policy matters and act as an additional interface with NRC as necessary. He will be located next to the Site Emergency Director with the TSC secretary.



ATTACHMENT L

Instructions for obtaining printout of leakage in systems outside containment of BWRs in case of emergencies. (Reference MMI-93; SI 3.3.6; and SI 3.3.10).

For printout of system leakage go to any LSI or ADM 24E terminal and proceed as follows:

FORMAT

LOGIN PLTSE [return]

Password

GABLE [return]

OK

A CGW.MR 1 2 [return]

OK

INFO [return]

i

' . . .LEAK. . . ' [return]

- \* ENTER 'LPTR' FOR PRINTOUT      Enter LPTR only if a printout is desired, otherwise items will be displayed on the screen.
- \* NOTE: 1. Printout will be printed out on printer in Unit 3 Computer Room.
- NOTE: 2. Mechanical Engineer may also call Plant Services at PAX 414 or DIM. 815 during regular working hours.

\*Revision



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	6	Rev. 4		3 of 3	Rev. 13
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