



Tennessee Valley Authority, Post Office Box 2000, Spring City, Tennessee 37381-2000

NOV 17 2000

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

10 CFR 50, App E.

Gentlemen:

In the Matter of )  
Tennessee Valley Authority )

Docket No. 50-390

WATTS BAR NUCLEAR PLANT (WBN) - EMERGENCY PLAN IMPLEMENTING  
PROCEDURE (EPIP) REVISION

In accordance with the requirements of 10 CFR Part 50, Appendix E,  
Section V, the enclosure provides revised EPIPs as follows:

<u>EPIP</u>	<u>Rev</u>	<u>Title</u>	<u>Effective Date</u>
EPIP-2	13	Notification of Unusual Event	10-31-2000
EPIP-3	16	Alert	10-31-2000
EPIP-4	17	Site Area Emergency	10-31-2000
EPIP-5	18	General Emergency	10-31-2000

Filing instructions are included with these documents.

There are no regulatory commitments in this letter. If you should  
have any questions, please contact me at (423) 365-1824.

Sincerely,

P. L. Pace  
Manager, Licensing and Industry Affairs

Enclosure  
cc: See Page 2

AD45

U.S. Nuclear Regulatory Commission

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NOV 17 2000

PLP:JES

Enclosure

cc (Enclosure)

NRC Resident Inspector (w/o Enclosure)  
Watts Bar Nuclear Plant  
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Spring City, Tennessee 37381

Mr. Robert E. Martin, Senior Project Manager  
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U.S. Nuclear Regulatory Commission (2 copies)  
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Atlanta Federal Center  
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# FILING INSTRUCTIONS

DOCUMENT NUMBER EPIP-2

REMOVE REVISION 12 INSERT REVISION 13  
10/31/00

Comments \_\_\_\_\_  
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**TENNESSEE VALLEY AUTHORITY**

**WATTS BAR NUCLEAR PLANT**

**EMERGENCY PLAN IMPLEMENTING  
PROCEDURES**

**EPIP-2**

**NOTIFICATION OF UNUSUAL EVENT**

Revision 13

Unit 0

**QUALITY RELATED**

PREPARED BY: Ben McNew  
(Type Name)

SPONSORING ORGANIZATION: Emergency Planning

APPROVED BY Frank L. Pavlechko

EFFECTIVE DATE: 10/31/00

LEVEL OF USE: REFERENCE

<b>WBN</b>	<b>NOTIFICATION OF UNUSUAL EVENT</b>	<b>EPIP-2</b> <b>Revision 13</b>  <b>Page 2 of 12</b>
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### REVISION LOG

Revision Number	Implementation Date	Description of Revision	
0	04/13/90	Superseded IP-2	
1	04/01/91	Editorial and format changes	
2	01/22/92	Editorial and format changes	
3	02/10/93	Add Section 2.0 Responsibility. Add Site Emergency Director announcements to Section 3.0. Change Section 3.0 to reflect removal of red Emergency Notification System ring-down phones which are being replaced by NRC designated phones which will require dialing a number. Add NUREG 0654, FEMA-REP-1, Rev. 1, Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in support of Nuclear Power Plants.	
4	08/16/93	Editorial (non-intent) and format changes. Source notes added to the procedure.	
5	05/27/94	Follow-up notification form added to the procedure. Phone numbers revised.	
6	08/01/94	Initial Dose Assessment for Radiological Emergencies (EPIP-16) referenced and phone numbers to the NRC Response Center revised.	
7	04/21/95	Phone number revised. Editorial (non-intent) changes made.	
Revision Number	Implementation Date	Pages Affected	Description of Revision
CN-1	09/28/95	4, 5	Phone numbers revised (new area code). Editorial (non-intent) changes made.
8	7/5/96	4,5,6,7,8	Phone number and titles revised. Procedure (TI-30) replacement identified. All revisions were evaluated to be non-intent.

<b>WBN</b>	<b>NOTIFICATION OF UNUSUAL EVENT</b>	<b>EPIP-2</b> <b>Revision 13</b>  <b>Page 3 of 12</b>
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<b>Revision Number</b>	<b>Implementation Date</b>	<b>Pages Affected</b>	<b>Description of Revision</b>
9	10/10/96	3,4,5, 8,9	The following non-intent revisions were made: SM designee identified by title, OSC and TSC support personnel instruction added, a reference was added and the non-QA record instructions revised.
CN-1	3/27/97	3,5,6	TEMA additional back-up number added.
CN-2	2/2/98	3,5,7,8	SSP-4.05 was replaced by SPP-3.5 in new procedure system. Editorial.
10	6/30/98	All	Non-Intent Change. Incorporated Change Notices 1 and 2. Changed reference SSP 3.4 to SPP 3.1.
11	10/21/99	All	Non Intent Change. Moved termination of emergency step from Appendix A to Appendix B. STD-3.2 reference canceled.
12	6/14/00	All	Non Intent Change. Revised reference number. Added backup call to the ODS should the EPS fail to operate. Added the word actions after notifications in Step 4 for clarification.
13	10/31/00	All pg. 5	Non-Intent change. Revised NRC dedicated phones from FTS-2000 to TVA phone circuits per (RIS) 2000-11 "NRC Emergency Telecommunications Systems".

<b>WBN</b>	<b>NOTIFICATION OF UNUSUAL EVENT</b>	<b>EPIP-2</b> <b>Revision 13</b> <b>Page 4 of 12</b>
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## 1.0 PURPOSE

- 1.1 To provide a method for timely notification of appropriate individuals when the Shift Manager (SM) or Site Emergency Director (SED), Technical Support Center (TSC) has determined by WBN, EPIP-1 that an incident has occurred which is classified as a **NOTIFICATION OF UNUSUAL EVENT**.<sup>5</sup>
- 1.2 To provide a method for periodic reanalysis of the current situation by the SED to determine whether the **NOTIFICATION OF UNUSUAL EVENT** action(s) should be terminated, continued or upgraded to another classification.

## 2.0 RESPONSIBILITY

The SED who is initially the SM (or other SM on-site during the emergency) or designee (Unit Supervisor, US) until properly relieved by the TSC SED, has the responsibility and authority for implementation of the action(s) in this instruction.<sup>5</sup>

## 3.0 INSTRUCTIONS

- 3.1 Upon determining that existing conditions are classified as a **NOTIFICATION OF UNUSUAL EVENT** according to EPIP-1 (independent evaluations by crew members may be beneficial), the SED, or designee, will:<sup>4, 5</sup>
1. **IF** there are personnel injuries, **IMPLEMENT** EPIP-10, "Medical Emergency Response."
  2. **COMPLETE** Appendix A, Notification Information
  3. **ANNOUNCE** to the crew: "A Notification of Unusual Event is being declared based on \_\_\_\_\_. I will be the Site Emergency Director."

<b>WBN</b>	<b>NOTIFICATION OF UNUSUAL EVENT</b>	<b>EPIP-2</b> <b>Revision 13</b> <b>Page 5 of 12</b>
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4. **NOTIFY** the ODS direct by ODS Ringdown or No. 5-751-1700 or 5-751-2495 and **PROVIDE** the information from Appendix A. **IF** the ODS cannot be contacted within 10 minutes, the Tennessee Emergency Management Agency is to be notified of the Radiological Emergency Plan activation by calling: 9-1-800-262-3300 or 9-1-615-741-0001 or 9-1-800-262-3400.<sup>2</sup>
5. **FAX** Appendix A to the ODS. (# pre-programmed or 5-751-8620.)
6. **ANNOUNCE** to the plant, "ATTENTION ALL SITE PERSONNEL. ATTENTION ALL SITE PERSONNEL. A Notification of Unusual Event is being declared based on \_\_\_\_\_ conditions." (Repeat)
7. **NOTIFY** Duty Plant Manager, and **PROVIDE** Appendix A information (**SEE** duty list for telephone numbers). The Duty Plant Manager will call the Plant Manager or alternate.
8. **IF** TSC and OSC support is needed, **ACTIVATE** the emergency paging system (EPS).

**NOTE** If the EPS system fails, call the ODS ringdown or (5-751-1700) and have him activate the EPS.

9. **NOTIFY** NRC, using the designated NRC phone (ENS), of plan activation.

**NOTE** NRC notification should be made as soon as practicable, within one hour of "NOTIFICATION OF UNUSUAL EVENT" declaration. Whenever NRC requests, a qualified person must provide a continuous update to the NRC Operations Center. The following commercial numbers are for the NRC Operations Center:<sup>3, 6</sup>

9-1-301-816-5100 (MAIN)  
9-1-301-951-0550 (Backup)  
9-1-301-816-5151 (FAX)

10. **EVALUATE** the need to implement EPIP-16, "Initial Dose Assessment for Radiological Emergencies," for a dose projection if radioactivity is being released through normal plant release paths.

<b>WBN</b>	<b>NOTIFICATION OF UNUSUAL EVENT</b>	<b>EPIP-2</b> <b>Revision 13</b>  <b>Page 6 of 12</b>
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**3.0 INSTRUCTIONS** (continued)

11. **NOTIFY** WBN Emergency Preparedness. □

**NOTE** Notification to Emergency Preparedness should be made as soon as practicable, but only when notification does not interfere with emergency actions or notifications in progress.

Work - 3232	or	Work - 8004
Home - 9-1-423-337-2911		Home - 9-1-423-842-3020
Pager - 30374		Pager - 30388

12. **REEVALUATE** the event using WBN EPIP-1 as necessary to determine if conditions warrant reclassification. □

A. **IF** the situation no longer exists, **TERMINATE** the emergency by informing the ODS and the Duty Plant Manager.

B. **IF** the condition warrants upgrading to a higher classification, **INITIATE** the appropriate steps of WBN EIPs 3, 4, or 5.

C. **IF** other plant conditions warrant the need for follow-up information, **COMPLETE** the Follow-up Notification Form, Appendix B and **NOTIFY** the TSC/CECC (if it is staffed), or

**NOTIFY** the ODS direct by ODS Ringdown or No. 5-751-1700 or 5-751-2495 and **PROVIDE** the information. **IF** the ODS cannot be contacted within 10 minutes, the Tennessee Emergency Management Agency is to be notified of the information by calling:  
9-1-800-262-3300 or 9-1-615-741-0001 or  
9-1-800-262-3400.<sup>2</sup> □

<b>WBN</b>	<b>NOTIFICATION OF UNUSUAL EVENT</b>	<b>EPIP-2</b> <b>Revision 13</b>  <b>Page 7 of 12</b>
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13. **FAX** Appendix B to the ODS.  
(# pre-programmed or 5-751-8620.)

**CAUTION** If there is any possibility of a radiological release, do not send personnel into areas of unknown radiological conditions without first contacting Radiological Control.

14. **ENSURE** applicable notifications/actions required by SPP-3.5 and SPP-3.1 have been made.
15. **NOTIFY** the NRC Resident Inspector by calling 1776 and **PROVIDING** the information on Appendix A.
16. After the event is terminated, **SEND** the completed WBN EPIP-2 and associated documentation to WBN Emergency Preparedness (EP) Manager. The EP Manager shall forward documentation to DCRM for storage as appropriate.

<b>WBN</b>	<b>NOTIFICATION OF UNUSUAL EVENT</b>	<b>EPIP-2</b> <b>Revision 13</b> <b>Page 8 of 12</b>
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#### **4.0 REFERENCES**

##### **4.1 Interfacing Documents**

SPP-3.1 Corrective Action Program

SPP-3.5 Regulatory Reporting Requirements

WBN-EPIP-1 Emergency Plan Classification Flowchart

WBN-EPIP-3 Alert

WBN-EPIP-4 Site Area Emergency

WBN-EPIP-5 General Emergency

WBN-EPIP-10 Medical Emergency Response

WBN-EPIP-13 Termination of the Emergency and Recovery

WBN-EPIP-14 Radiological Control Response

WBN-EPIP-16 Initial Dose Assessment for Radiological Emergencies

CECC-EPIP-9 Emergency Environmental Radiological Monitoring Procedures

##### **4.2 Other Documents**

10 CFR 50.72 Immediate Notification Requirements for Operating Nuclear Power Reactors

NUREG-0654, FEMA-REP-1, Rev. 1, Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants.

ANSI N 18.7 - 1976

<b>WBN</b>	<b>NOTIFICATION OF UNUSUAL EVENT</b>	<b>EPIP-2</b> <b>Revision 13</b> <b>Page 9 of 12</b>
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## **5.0 APPENDIX**

Appendix A, Notification Information

Appendix B, Follow-up Notification Form

## **6.0 RECORDS**

### **6.1 QA Records**

Entire EPIP-2, when the REP is activated, is a QA Record.

### **6.2 Non QA Records**

All EPIP-2 records generated during the course of a drill/exercise will be assembled by the EP Manager and stored appropriately.

WBN	NOTIFICATION OF UNUSUAL EVENT	EPIP-2 Revision 13 Page 10 of 12
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APPENDIX A (Page 1 of 1)  
NOTIFICATION INFORMATION

**INITIAL NOTIFICATION FORM** <sup>1,4</sup>

1.  "THIS IS A REAL EMERGENCY. THIS IS A REAL EMERGENCY."  
OR  
 "THIS IS A DRILL. THIS IS A DRILL."
2. "This is \_\_\_\_\_ at the Watts Bar Nuclear Plant.  
There has been a REP activation on Unit 1  Unit 2 .
3. "The emergency classification is **Notification of Unusual Event.**"
4. "The Event designator(s)/Brief Description is/are (e.g., Fire 4.1) \_\_\_\_\_."
5. "The plant conditions are:  Stable  Deteriorating."
6. "The radiological conditions are:
  - No Abnormal Release Offsite
  - Airborne Release Offsite
  - Liquid Release Offsite
  - Release Information Not Known."
7. "The time the classification was declared \_\_\_\_\_ / \_\_\_\_\_."  
Time Date
8.  "There is no Protective Action Recommendation at this time."
9.  "Please repeat the information you have received to ensure accuracy."
10. \_\_\_\_\_ / \_\_\_\_\_  
Signature Date



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**SOURCE NOTES**

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- |   |   |  |
|---|---|--|
| 1 | NRC IE Information Notice 89-89               | Event Notification Worksheets  |
| 2 | NRC IE Information Notice 86-97               | Emergency Communications System  |
| 3 | NRC IE Information Notice 86-28               | Telephone Numbers to the NRC Operations Center and Regional Offices        |
| 4 | MC 840827 00500 4A, MSC-02375, NCO 9200 30985 | Section 3.0 Instructions, 3.1, and Appendix A (Page 1 of 1).               |
| 5 | ANSI N18.7-1976<br>Subsection 5.3.9.3: 01POR  | EIPs will contain the following elements.                                  |
| 6 | NRC Administrative Letter 94-04               | Change of NRC Operation Center commercial telephone and facsimile numbers. |

# FILING INSTRUCTIONS

DOCUMENT NUMBER EPIP-3

REMOVE REVISION 15 INSERT REVISION 16  
10/31/00

Comments \_\_\_\_\_  
\_\_\_\_\_  
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**TENNESSEE VALLEY AUTHORITY**

**WATTS BAR NUCLEAR PLANT**

**EMERGENCY PLAN IMPLEMENTING  
PROCEDURES**

**EPIP-3**

**ALERT**

Revision 16

Unit 0

**QUALITY RELATED**

PREPARED BY: Ben McNew  
(Type Name)

SPONSORING ORGANIZATION: Emergency Planning

APPROVED BY: Frank L. Pavlechko

EFFECTIVE DATE: 10/31/00

LEVEL OF USE: REFERENCE

<b>WBN</b>	<b>ALERT</b>	<b>EPIP-3</b> <b>Revision 16</b> <b>Page 2 of 12</b>
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**REVISION LOG**

Revision Number	Implementation Date	Description of Revision
0	04/13/90	Superseded IP-3
1	04/01/91	Editorial and format changes.
2	01/22/92	Enhanced with human factor editorial changes and updated references.
3	02/10/93	Insert Section 2.0 Responsibility. Add Site Emergency Director announcements to Section 3.0. Change title of Plant Duty Supervisor to Duty Plant Manager. Change Section 3.0 to reflect removal of red Emergency Notification System ring-down phones which are being replaced by NRC designated phones which will require dialing a number. Modify Appendix A so that when faxed or copied, last few lines will not be excluded. Removed notes which addressed steps that have already been performed. NUREG 0654, FEMA-REP-1, Rev.1, <i>Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in support of Nuclear Power Plants.</i>
4	8/16/93	Editorial (non-intent) and format changes. Source notes added to the procedure.
5	1/1/94	Added NRC Resident call as Step 16.
6	01/11/94	Included notifying Security (CAS) on Step 9. changed wording on Step 17 to initiate WBN EPIP-13.
7	05/27/94	Followup Notification Form added to the procedure. Phone numbers revised.
8	8/1/94	Initial Dose Assessment for Radiological Emergencies (EPIP-16) referenced and phone numbers to the NRC Response Center revised.
9	10/14/94	Revised phone number.
10	04/21/95	Revised phone numbers. Editorial (non-intent) changes made.

<b>WBN</b>	<b>ALERT</b>	<b>EPIP-3</b> <b>Revision 16</b> <b>Page 3 of 12</b>
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Revision Number	Implementation Date	Pages Affected	Description of Revision
11	7/5/96	4,5,7,8	Phone number and titles revised. Procedure replacement (TI-30) identified. All revisions were evaluated to be non-intent
12	10/10/96	3,4,8,9	The following non-intent revisions were made: Shift Personnel replaced Shift Clerk to reflect additional personnel trained on the paging system, SM designee identified by title, a phone number added, a reference was added and the non-QA record instructions were revised.
CN-1	3/27/97	3,5,7	TEMA added alternate phone number.
CN-2	2/2/98	3, 5, 7, 8	SSP-4.05 was replaced by SPP-3.5 in new procedure system. Editorial changes.
13	6/30/98	All	Non-Intent Changes. Incorporated Change Notices 1 and 2. Changed reference SSP 3.4 to SPP 3.1.
14	10/21/99	All	Non Intent Change. Moved termination of emergency step from Appendix A to Appendix B. STD-3.2 referenced canceled.
15	06/14/00	All	Non Intent Change. Revised reference number. Added reference to the direct line to the ODS for clarification. Added the word actions after notifications in Step 19 for clarification.
16	10/31/00	All pg. 6	Non-Intent change. Revised NRC dedicated phones from FTS-2000 to TVA phone circuits per (RIS) 2000-11 "NRC Emergency Telecommunications Systems".

<b>WBN</b>	<b>ALERT</b>	<b>EPIP-3</b> <b>Revision 16</b> <b>Page 4 of 12</b>
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## 1.0 PURPOSE

- 1.1 To provide a method for timely notification of appropriate individuals when the Shift Manager (SM) or Technical Support Center (TSC) Site Emergency Director (SED) has determined by WBN EPIP-1 that an incident has occurred which is classified as an ALERT.<sup>4</sup>
- 1.2 To provide a method for periodic reanalysis of the current situation by the SED to determine whether the ALERT should be terminated, continued or upgraded to another classification.

## 2.0 RESPONSIBILITY<sup>4</sup>

The SED who is initially the SM (or other SM onsite during the emergency) or designee (Unit Supervisor, US) until properly relieved by the TSC SED, has the responsibility and authority for implementation of the actions in this instruction.

## 3.0 INSTRUCTIONS<sup>4</sup>

- 3.1 Upon determining that existing conditions are classified as an ALERT according to EPIP-1 (independent evaluations by crew members may be beneficial), the SED, or designee, will:

1. **DIRECT** Shift Personnel to activate the Emergency Paging System (EPS) to staff the TSC and Operations Support Center (OSC). Shift Personnel should confirm activation and provide the 20 minute printed report to the SM for review.

**NOTE 1** IF the EPS systems fails, call the ODS, ringdown or (5-751-1700) and have him activate the EPS.

**NOTE 2** IF the above methods of activating the EPS fail, the Shift Personnel must use the Radiological Emergency Response Call Lists to staff the TSC and OSC. This list is located in the EPS Manual near the terminal.

2. **COMPLETE** Appendix A, Notification Information.
3. **ANNOUNCE** to the crew: "An Alert is being declared based on \_\_\_\_\_ . I will be the Site Emergency Director."

<b>WBN</b>	<b>ALERT</b>	<b>EPIP-3</b> <b>Revision 16</b> <b>Page 5 of 12</b>
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**3.0 INSTRUCTIONS** (continued)

4. **NOTIFY** the ODS direct by ODS Ringdown or No. 5-751-1700 or 5-751-2495 and **PROVIDE** the information from Appendix A. **If** the ODS cannot be contacted within 10 minutes, the Tennessee Emergency Management Agency is to be notified of the Radiological Emergency Plan activation by calling 9-1-800-262-3300 or 9-1-615-741-0001 or 9-1-800-262-3400.<sup>2</sup>
  
5. **FAX** Appendix A to the ODS. (No. pre-programmed or 5-751-8620.)
  
6. **ANNOUNCE** to the plant: "ATTENTION ALL SITE PERSONNEL. ATTENTION ALL SITE PERSONNEL. An ALERT emergency has been declared based on \_\_\_\_\_ Staff the TSC and OSC." (Repeat)
  
7. **EVALUATE** plant conditions, and **IF** conditions warrant, **INITIATE** assembly and accountability by completing steps 8 and 9. (For additional details, go to WBN EPIP-8, "Personnel Accountability and Evacuation"). **IF** you are not going to initiate assembly and accountability, **GO TO** step 10.
  
8. **NOTIFY** Security (CAS) that assembly and accountability is to be conducted.

**CAUTION** **If there is any possibility of a radiological release, do not send personnel into areas of unknown radiological conditions without first contacting Radiological Control (RADCON).**

9. **ANNOUNCE** to the plant: "ATTENTION ALL SITE PERSONNEL. ATTENTION ALL SITE PERSONNEL. Report to your assembly areas for accountability" (Repeat) **AND ACTIVATE** assembly alarm for personnel assembly and accountability. **INITIATE** WBN EPIP-8, "Personnel Accountability and Evacuation."<sup>1</sup>
  
10. **CALL** RADCON Lab and **SAY**: "We are in an Alert, implement WBN EPIP-14 and CECC EPIP-9."

<b>WBN</b>	<b>ALERT</b>	<b>EPIP-3</b> <b>Revision 16</b> <b>Page 6 of 12</b>
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**3.0 INSTRUCTIONS** (continued)

- 11. **IF** there are personnel injuries, **IMPLEMENT** WBN EPIP-10, "Medical Emergency Response."
- 12. **IF** there is a security threat, **IMPLEMENT** WBN EPIP-11, "Security and Access Control."
- 13. **NOTIFY** Duty Plant Manager, and **PROVIDE** Appendix A information (SEE duty list for telephone numbers). The Duty Plant Manager will call the Plant Manager or his alternate.
- 14. **EVALUATE** the need to implement EPIP-16, "Initial Dose Assessment for Radiological Emergencies," for a dose projection if radioactivity is being released through normal plant release paths.
- 15. **NOTIFY** the NRC, using designated NRC phone (ENS), of plan activation.

**NOTE** NRC notification should be made as soon as practicable but within one hour of "ALERT" declaration. Whenever NRC requests, a qualified person must provide a continuous update to NRC Operations Center. The following commercial numbers are for the NRC Operations Center:<sup>3,5</sup>

9-1-301-816-5100 (MAIN)  
9-1-301-951-0550 (BACKUP)  
9-1-301-816-5151 (FAX)

- 16. **NOTIFY** the NRC Resident Inspector by calling 1776 and **PROVIDING** the information on Appendix A.

<b>WBN</b>	<b>ALERT</b>	<b>EPIP-3</b> <b>Revision 16</b> <b>Page 7 of 12</b>
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**3.0 INSTRUCTIONS** (continued)

17. **REEVALUATE** conditions using WBN EPIP-1 as necessary.
- A. **IF** the conditions are under control, **INITIATE** actions identified in WBN EPIP-13, "Termination of the Emergency and Recovery."
- B. **IF** the conditions warrant upgrading to a higher classification, **INITIATE** the appropriate steps of WBN EPIP-4 or EPIP-5.
- C. **IF** other plant conditions warrant the need for followup information, **COMPLETE** the Followup Notification Form, Appendix B, and **NOTIFY** the TSC/CECC (if it is staffed) or,
- NOTIFY** the ODS direct by ODS Ringdown or No. 5-751-1700 or 5-751-2495 and **PROVIDE** the information. **IF** the ODS cannot be contacted within 10 minutes, the Tennessee Emergency Management Agency is to be notified of the information by calling:  
9-1-800-262-3300 or 9-1-615-741-0001 or  
9-1-800-262-3400<sup>2</sup>
18. **FAX** Appendix B to the ODS.   
(No. pre-programmed or 5-751-8620.)
19. **ENSURE** applicable notifications/actions required by SPP-3.5 and SPP-3.1 have been made.
20. **SEND** the completed WBN EPIP-3 and associated documentation to the Emergency Preparedness (EP) Manager. The EP Manager shall forward documentation to DCRM for storage as appropriate.

<b>WBN</b>	<b>ALERT</b>	<b>EPIP-3</b> <b>Revision 16</b> <b>Page 8 of 12</b>
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#### **4.0 REFERENCES**

##### **4.1 Interfacing Documents**

*SPP-3.5 Regulatory Reporting Requirements*

*SPP-3.1 Corrective Action Program*

*WBN-EPIP-1 Emergency Plan Classification Flowchart*

*WBN-EPIP-2 Notification of Unusual Event*

*WBN-EPIP-4 Site Area Emergency*

*WBN-EPIP-5 General Emergency*

*WBN-EPIP-10 Medical Emergency Response*

*WBN-EPIP-11 Security and Access Control*

*WBN-EPIP-13 Termination of the Emergency and Recovery*

*WBN-EPIP-16 Initial Dose Assessment for Radiological Emergencies*

*CECC-EPIP-9 Emergency Environmental Radiological Monitoring Procedures*

##### **4.2 Other Documents**

*10 CFR 50.72 Immediate Notification Requirements for Operating Nuclear Power Reactors*

*NUREG 0654, FEMA-REP-1, Rev. 1, Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants.*

*ANSI N18.7-1976*

*CECC-EPIP-8 Dose Assessment Staff Activities During Nuclear Plant Radiological Emergencies*

<b>WBN</b>	<b>ALERT</b>	<b>EPIP-3</b> <b>Revision 16</b> <b>Page 9 of 12</b>
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**5.0 APPENDIX**

Appendix A, Notification Information

Appendix B, Followup Notification Form

**6.0 RECORDS**

**6.1 QA Records**

Entire WBN EPIP-3, when the REP is activated, is a QA Record.

**6.2 Non-QA Records**

All EPIP-3 records generated during the course of a drill/exercise will be assembled by the EP Manager and stored appropriately.





<b>WBN</b>	<b>ALERT</b>	<b>EPIP-3</b> <b>Revision 16</b> <b>Page 12 of 12</b>
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SOURCE NOTES

Page 1 of 1

- 1 NRC IE Information Notice No. 89-89 *Event Notification Worksheets*
- 2 NRC IE Information Notice No. 86-97 *Emergency Communications System*
- 3 NRC IE Information Notice No. 86-28 *Telephone Numbers to the NRC Operations Center and Regional Offices*
- 4 ANSI N18.7-1976  
Subsection 5.3.9.3: 01POI *EIPs will contain the following elements.*
- 5 NRC Administrative Letter 94-04 *Change of NRC Operations Center commercial telephone and facsimile numbers.*

# FILING INSTRUCTIONS

DOCUMENT NUMBER EPIP-4

REMOVE REVISION 16 INSERT REVISION 17  
10/31/00

Comments \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**TENNESSEE VALLEY AUTHORITY**

**WATTS BAR NUCLEAR PLANT**

**EMERGENCY PLAN IMPLEMENTING  
PROCEDURES**

**EPIP-4**

**SITE AREA EMERGENCY**

Revision 17

Unit 0

**QUALITY RELATED**

PREPARED BY: Ben McNew  
(Type Name)

SPONSORING ORGANIZATION: Emergency Planning

APPROVED BY: Frank L. Pavlechko

EFFECTIVE DATE: 10/31/00

LEVEL OF USE: REFERENCE

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**REVISION DESCRIPTION:**

Revision Number	Implementation Date	Description of Revision
0	04/13/90	Superseded IP-4.
1	04/01/91	Editorial and format changes.
2	01/22/92	Improved human factoring (pages 2-4) and updated references. Add a step for SM Clerk to provide EPS activation confirmation to SM. Specify EAL unique identifier in event description (Attachment 1).
3	02/10/93	Add Section 2.0 Responsibility. Add Site Emergency Director announcements to Section 3.0. Change title of Plant Duty Supervisor to Duty Plant Manager. Change Section 3.0 to reflect removal of red Emergency Notification System ring-down phones which are being replaced by NRC designated phones which will require dialing a number. Modify Appendix A so that when faxed or copied, last few lines will not be excluded. Removed notes which addressed steps that have already been performed. NUREG 0654, FEMA-REP-1, Rev.1, <i>Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in support of Nuclear Power Plants.</i>
4	8/16/93	Editorial (non-intent) and format changes. Source notes added to the procedure.
5	1/1/94	Added NRC Resident Call as Step 14.
6	4/11/94	Included notifying Security (CAS) on Step 7 and changed Step 15 to initiate WBN EPIP-13. Added county contingency notifications to Step 4.
7	05/27/94	Followup Information Form added to the procedure. Phone numbers revised.
8	8/1/94	Initial Dose Assessment for Radiological Emergencies (EPIP-16) referenced and phone numbers to the NRC Response Center revised.
9	10/14/94	Revised phone number to McMinn County.
10	4/21/95	Revised a phone number. Editorial (non-intent) change made.

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**REVISION DESCRIPTION:**

Revision Number	Implementation Date	Pages Affected	Description of Revision
CN-1	9/28/95	5	Revised phone numbers. Editorial (non-intent) changes made.
11	7/5/96	4,5,7,8	Phone number and titles revised. Procedure replacement (TI-30) identified. All revisions were evaluated to be non-intent.
12	10/10/96	3,4,5,8,9,10	The following non-intent revisions were made: Shift Personnel replaced Shift Clerk to reflect additional personnel trained on the paging system, SM designee identified by title, a phone number was added, assembly and accountability instruction enhanced, a reference was added, the non-QA record instructions were revised, and wind speed and direction were added to the initial notification form per TEMA request.
CN-1	3/27/97	3,5,6,7	TEMA additional back-up number added, changed county primary and back-up numbers
CN-2	7/31/97	3,5	Phone number change.
CN-3	2/2/98	3,5,7,8	SSP-4.05 was replaced by SPP-3.5. Editorial change.
13	6/30/98	All	Non-intent changes. Incorporated Changes Notices 1, 2 and 3. Changed reference SSP 3.4 to SPP 3.1.
14	10/21/99	All	Non-intent change. Moved termination of emergency step from Appendix A to Appendix B. STD-3.2 reference canceled.
15	02/08/00	ALL	Non- Intent change. Phone numbers revised.
16	06/14/00	All	Non Intent change. Reference number revised. Phone number revised. Added the word actions after notifications in Step 17 for clarification. Added reference to the ODS, direct line for clarification. This revision resolves problem identified in WBN PER, 006394.
17	10/31/00	All pg. 6	Non-Intent change. Revised NRC dedicated phones from FTS-2000 to TVA phone circuits per (RIS) 2000-11 "NRC Emergency Telecommunications Systems".

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## 1.0 PURPOSE<sup>4</sup>

- 1.1 To provide a method for timely notification of appropriate individuals when the Shift Manager (SM) or Technical Support Center (TSC) SED has determined by WBN EPIP-1 that an incident has occurred which is classified as a SITE AREA EMERGENCY.
- 1.2 To provide a method for periodic reanalysis of the current situation by the SED to determine whether the SITE AREA EMERGENCY should be terminated, continued or upgraded to a General Emergency.

## 2.0 RESPONSIBILITY<sup>4</sup>

The SED who is initially the SM (or other SM onsite during the emergency) or designee (Unit Supervisor, US) until properly relieved by the TSC SED, has the responsibility and authority for implementation of the actions in this instruction.

## 3.0 INSTRUCTIONS

- 3.1 Upon determining that existing conditions are classified as a SITE AREA EMERGENCY according to WBN EPIP-1 (independent evaluations by crew members may be beneficial), the SED, or designee, will:<sup>4</sup>
  1. **DIRECT** the Shift Personnel to activate the Emergency Paging System (EPS) to staff the TSC and Operations Support Center (OSC). Shift Personnel should confirm activation and provide the 20 minute printed report to the SM for review. □

**NOTE 1** IF the EPS system fails, call the ODS, ringdown or (5-751-1700) and have him activate the EPS.

**NOTE 2** IF the above methods of activating the EPS fail, Shift Personnel must use the Radiological Emergency Response Call Lists to staff the TSC and OSC. This list is located in the EPS Manual near the terminal.

**3.0 INSTRUCTIONS** (continued)

- 2. **COMPLETE** Appendix A Notification Information.
- 3. **ANNOUNCE** to the crew: "A Site Area Emergency is being declared based on \_\_\_\_\_. I will be the Site Emergency Director, all support and job assignments must be authorized through me."
- 4. **NOTIFY** the ODS direct by ODS Ringdown or No. 5-751-1700 or 5-751-2495 **and PROVIDE** the information from Appendix A.

**IF** the ODS cannot be contacted within 10 minutes, then directly notify Rhea County, Meigs County, McMinn County, and the Tennessee Emergency Management Agency (TEMA) of the classification.

Rhea County EMA	9-775-2505	_____(TIME)
(Alternate)	9-775-7828	_____(TIME)
Meigs County EMA	9-1-423-334-3049	_____(TIME)
(Alternate)	9-1-423-334-5268	_____(TIME)
McMinn County	9-1-423-744-2760	_____(TIME)
(Alternate)	9-1-423-744-2721	_____(TIME)
Tennessee EMA	9-1-800-262-3300	_____(TIME)
(Alternate)	9-1-615-741-0001	_____(TIME)
(Alternate)	9-1-800-262-3400	_____(TIME)

- 5. **FAX** Appendix A to the ODS.  
(No. pre-programmed or 5-751-8620.)

**CAUTION** If there is any possibility of a radiological release, do not send personnel into areas of unknown radiological conditions without first contacting Radiological Control (RADCON).

- 6. **NOTIFY** Security (CAS) that assembly and accountability is to be conducted.

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**3.0 INSTRUCTIONS** (continued)

7. **ANNOUNCE** to the plant: "ATTENTION ALL SITE PERSONNEL. ATTENTION ALL SITE PERSONNEL. A SITE AREA EMERGENCY has been declared based on \_\_\_\_\_. All personnel report to your assembly areas for accountability. Staff the TSC and OSC." (Repeat)  
**SOUND** assembly alarm **AND**  
**INITIATE** WBN EPIP-8, "Personnel Accountability and Evacuation."
8. **CALL** RADCON Lab and **SAY**: "We are in a Site Area Emergency, implement WBN EPIP-14 and CECC EPIP-9."
9. **IF** there are personnel injuries, **IMPLEMENT** WBN EPIP-10, "Medical Emergency Response".
10. **IF** there is a security threat, **IMPLEMENT** WBN EPIP-11, "Security and Access Control".
11. **NOTIFY** Duty Plant Manager, and **PROVIDE** Appendix A information (**SEE** duty list for telephone numbers). The Duty Plant Manager will call the Plant Manager or alternate.
12. **EVALUATE** the need to implement EPIP-16, "Initial Dose Assessment for Radiological Emergencies," for a dose projection if radioactivity is being released through normal plant release paths.
13. **NOTIFY** the NRC, using designated NRC phone (ENS), of plan activation.

**NOTE** NRC notification should be made as soon as practicable, within one hour of "SITE AREA EMERGENCY" declaration. Whenever NRC requests, a qualified person must provide a continuous update to NRC Operations Center. The following commercial numbers are for the NRC Operations Center:<sup>3,5</sup>

9-1-301-816-5100 (MAIN)  
9-1-301-951-0550 (BACKUP)  
9-1-301-816-5151 (FAX)

**3.0 INSTRUCTIONS** (continued)

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14. **NOTIFY** the NRC Resident Inspector by calling 1776 and **PROVIDING** the information on Appendix A.
15. **REEVALUATE** conditions using WBN EPIP-1 as necessary.
- A. **IF** the conditions are under control, **INITIATE** actions identified in WBN EPIP-13, "Termination of the Emergency and Recovery."
- B. **IF** conditions warrant upgrading to a higher classification, **INITIATE** the appropriate steps of WBN EPIP-5.
- C. **IF** other plant conditions warrant the need for followup information, **COMPLETE** the Followup Notification Form, Appendix B, and **NOTIFY** the TSC/CECC (if it is staffed) or,
- NOTIFY** the ODS direct by ODS Ringdown or No. 5-751-1700 or 5-751-2495 and **PROVIDE** the information. **IF** the ODS cannot be contacted within 10 minutes, the Tennessee Emergency Management Agency is to be notified of the information by calling 9-1-800-262-3300 or 9-1-615-741-0001 or 9-1-800-262-3400<sup>2</sup>
16. **FAX** Appendix B to the ODS. (No. pre-programmed or 5-751-8620.)
17. **ENSURE** applicable notifications/actions required by SPP-3.5 and SPP-3.1 have been made.
18. **SEND** the completed WBN EPIP-4 and associated documentation to the Emergency Preparedness (EP) Manager. The EP Manager shall forward documentation to DCRM for storage as appropriate.

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## 4.0 REFERENCES

### 4.1 Interfacing Documents

SPP-3.1 *Corrective Action Program*

SPP-3.5 *Regulatory Reporting Requirements*

WBN-EPIP-1 *Emergency Plan Classification Flowchart*

WBN-EPIP-2 *Notification of Unusual Event*

WBN-EPIP-3 *Alert*

WBN-EPIP-5 *General Emergency*

WBN-EPIP-10 *Medical Emergency Response*

WBN-EPIP-11 *Security and Access Control*

WBN-EPIP-13 *Termination of the Emergency and Recovery*

WBN-EPIP-16 *Initial Dose Assessment for Radiological Emergencies*

CECC-EPIP-9 *Emergency Environmental Radiological Monitoring Procedures*

### 4.2 Other Documents

10 CFR 50.72 *Immediate Notification Requirements for Operating Nuclear Power Reactors*

NUREG 0654, FEMA-REP-1, Rev. 1, *Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants.*

ANSI 18.7-1976

CECC-EPIP-8 *Dose Assessment Staff Activities During Nuclear Plant Radiological Emergencies*

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## **5.0 APPENDIX**

Appendix A, Notification Information

Appendix B, Followup Notification Form

## **6.0 RECORDS**

### **6.1 QA Records**

Entire WBN EPIP-4, when the REP is activated, is a QA Record.

### **6.2 Non-QA Records**

All EPIP-4 records generated during the course of a drill/exercise will be assembled by the EP Manager and stored appropriately.

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APPENDIX A (Page 1 of 1)  
NOTIFICATION INFORMATION<sup>1</sup>

INITIAL NOTIFICATION FORM

1.  "THIS IS A REAL EMERGENCY. THIS IS A REAL EMERGENCY."  
OR  
 "THIS IS A DRILL. THIS IS A DRILL."
2. "This is \_\_\_\_\_ at the Watts Bar Nuclear Plant.  
There has been a REP activation on Unit 1  Unit 2 .
3. "The emergency classification is **Site Area Emergency.**"
4. "The Event designator(s)/Brief description is/are  
(e.g., loss of AC 3.1)  
\_\_\_\_\_."
5. "The plant conditions are:  Stable  Deteriorating."
6. "The radiological conditions are:  
  
 No Abnormal Release Offsite  
 Airborne Release Offsite  
 Liquid Release Offsite  
 Release Information Not Known."
7. "Wind Speed \_\_\_\_\_ Wind Direction from \_\_\_\_\_"
8. "The time the classification was declared \_\_\_\_ / \_\_\_\_."  
Time Date
9.  "There is no Protective Action Recommendation at this time."
10.  "Please repeat the information you have received to ensure accuracy."
11. \_\_\_\_\_ / \_\_\_\_\_  
Signature Date

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APPENDIX B (Page 1 of 1)

**WBN FOLLOWUP INFORMATION FORM**  
**SITE AREA EMERGENCY**

1.  "THIS IS A REAL EVENT" or  "THIS IS A DRILL."
2. "This is \_\_\_\_\_ at the Watts Bar Nuclear Plant.  
This is followup information regarding the Site Area Emergency at Watts Bar:  
Unit 1  Unit 2 .
3. "Reactor: Shutdown  At power  "
4. "Plant conditions are: Stable  Deteriorating  "
5. "Followup information: (e.g., key events, status changes) \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_ "
6. "Onsite assembly and accountability is ongoing: Yes  No  "
7. "The radiological conditions are:  
 No Abnormal Release Offsite  
 Airborne Release Offsite  
 Liquid Release Offsite  
 Release Information Not Known."
8. "Additional Rad information: (e.g., release duration) \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_ "
9. "The meteorological conditions are: Wind speed: \_\_\_\_\_ Wind direction  
from: \_\_\_\_\_ "
10.  "There is no Protective Action Recommendation at this time."
11. "The event terminated at \_\_\_\_ / \_\_\_\_."  
Time Date
12.  "Please repeat the information you have received to ensure accuracy."
13. \_\_\_\_\_ / \_\_\_\_ / \_\_\_\_  
Signature Time Date

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SOURCE NOTES

Page 1 of 1

- |   |   |   |
|---|---|---|
| 1 | NRC IE Information Notice No. 89-89           | Event Notification Worksheets   |
| 2 | NRC IE Information Notice No. 86-97           | Emergency Communications System   |
| 3 | NRC IE Information Notice No. 86-28           | Telephone Numbers to the NRC Operations Center and Regional Offices         |
| 4 | ANSI 18.7-1976,<br>Subsection, 5.3.9.3: 01POI | EIPs will contain the following elements.                                   |
| 5 | NRC Administrative Letter 94-04               | Change of NRC Operations Center commercial telephone and facsimile numbers. |

# FILING INSTRUCTIONS

DOCUMENT NUMBER EPIP-5

REMOVE REVISION 17 INSERT REVISION 18  
10/31/00

Comments \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**TENNESSEE VALLEY AUTHORITY**

**WATTS BAR NUCLEAR PLANT**

**EMERGENCY PLAN IMPLEMENTING  
PROCEDURES**

**EPIP-5**

**GENERAL EMERGENCY**

Revision 18

Unit 0

**QUALITY RELATED**

PREPARED BY: Ben McNew  
(Type Name)

SPONSORING ORGANIZATION: Emergency Planning

APPROVED BY: Frank L. Pavlechko

EFFECTIVE DATE: 10/31/00

LEVEL OF USE: REFERENCE

<b>WBN</b>	<b>GENERAL EMERGENCY</b>	<b>EPIP-5</b> <b>Revision 18</b> <b>Page 2 of 14</b>
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### REVISION LOG

Revision Number	Implementation Date	Description of Revision
0	04/13/90	Superseded IP-5.
1	04/01/91	Reflect revision to AI 2.8.11 concerning SM designees for certain tasks. Convert ODS information to Attachment. Revised ODS communication methods.
2	01/22/92	Improved human factoring and updated references.
3	02/10/93	Changed coversheet. Added Section 2, Responsibility. Removed Note concerning steps previously done. In Section 3.1 included words concerning independent evaluating of crew members. Included parenthesis and changed wording to aid operators in what to say. Changed order of steps. Removed Notes 1 and 2 in Section 2.1 because of redundancy. Changed TEMA telephone number. Changed title of Plant Duty Supervisor to Duty Plant Manager. Removed (red phone) from Section 2.2 due to FTS 2000 installations. Added Step 15 to ensure applicable notification.
4	08/16/93	Editorial (non-intent) and format changes. Source notes added to the procedure.
5	1/1/94	Changes made to the Protective Action Recommendation Guidance to incorporate new 10 CFR 20 changes and EPA-400. Added NRC Resident call as Step 14.
6	4/11/94	Included notifying Security (CAS) on Step 5 and changed Step 15 to initiate WBN EPIP-13. Added contingency county notifications to Step 6.
7	5/27/94	Followup Notification Form was added to the procedure. Phone numbers revised.
8	8/1/94	Initial Dose Assessment for Radiological Emergencies (EPIP-16) referenced and phone numbers to the NRC Response Center revised.
9	10/14/95	Revised McMinn County phone number.
10	4/21/95	Revised phone numbers. Editorial (non-intent) changes made.

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### REVISION LOG

Revision Number	Implementation Date	Pages Affected	Description of Revision
CN-1	9-28-95	3, 5, 11	Revised phone numbers. Editorial (non-intent) changes made. All references to RM were changed to RE to make it consistent with site description documents.
11	7/5/96	4,5,6,7,8	Phone number and titles revised. Procedure replacement (TI-30) identified. All revisions were evaluated to be non-intent.
12	10/10/96	3,4,5,8,9	The following non-intent revisions were made: Shift Personnel replaced Shift Clerk to reflect additional personnel trained on the paging system, SM designee identified by title, a phone number was added, assembly and accountability instruction enhanced, a reference was added, and the non-QA record instructions were revised.
CN-1	3/27/97	3,5,6	TEMA additional back-up number added, counties changed phone numbers
CN-2	2/2/98	3,5,6,7,8	SSP-4.05 was replaced by SPP-3.5. Editorial changes were made.
13	6/30/98	All	Non-intent Changes. Incorporated Change Notices 1 and 2. Changed reference SSP 3.4 to SPP 3.1.
14	10/21/99	All	Non-intent change. Moved termination step from Appendix A to Appendix C. STD-3.2 reference canceled.
15	02/08/00	All	Non-intent change. Revised phone number.
16	6/14/00	All	Non Intent change. Revised phone number. Reference number revised. Added reference to the ODS, direct line for clarification. Added the work actions after notifications in Step 17 for clarification. This revision resolves problem identified in WBN PER, 006394.
17	08/16/00	All (Pg. 3, 11)	Intent change. Revised CNTMT Rad Monitors (1-RE-90-271, 272, 273, & 274) readings to correspond with the new TI-RPS-162, "Response of the Primary Containment High Range Monitors" readings (Reference EDC-50600). This analysis resulted in a revision to Table 2 on the PAR Chart. This revision resolves action items from CORP PER-99-000038-000. This revision was also determined not to reduce the level of effectiveness of the procedure or REP.
18	10/31/00	All pg. 6	Non-Intent change. Revised NRC dedicated phones from FTS-2000 to TVA phone circuits per (RIS) 2000-11 "NRC Emergency Telecommunications Systems".

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## 1.0 PURPOSE

- 1.1 To provide a method for timely notification of appropriate individuals when the Shift Manager (SM) or Technical Support Center (TSC) Site Emergency Director (SED) has determined by WBN EPIP-1 that an incident has occurred which is classified as a GENERAL EMERGENCY.<sup>11</sup>
- 1.2 To provide a method for periodic reanalysis of the current situation by the SED to determine whether the GENERAL EMERGENCY should be terminated or continued.

## 2.0 RESPONSIBILITY

The SED who is initially the SM (or other SM onsite during the emergency) or designee (Unit Supervisor, US) until properly relieved by the TSC SED, has the responsibility and authority for implementation of the actions in this instruction.<sup>10,11</sup>

## 3.0 INSTRUCTIONS

- 3.1 Upon determining that existing conditions are classified as a GENERAL EMERGENCY according to WBN EPIP-1 (independent evaluations by crew members may be beneficial), the SED, or designee, will:<sup>11</sup>

1. **DIRECT** Shift Personnel to activate the Emergency Paging System (EPS) to staff the TSC and Operations Support Center (OSC). Shift Personnel should confirm activation and provide the 20 minute printed report to the SM for review.

**NOTE 1** IF the EPS system fails, call the ODS, ringdown or (5-571-1700) and have him activate the EPS.

**NOTE 2** IF the above methods of activating the EPS fail, Shift Personnel must use the Radiological Emergency Response Call Lists to staff the TSC and OSC. This list is located in the EPS Manual near the terminal.

2. **COMPLETE** Appendix A and B, Notification Information.
3. **ANNOUNCE** to the crew: "A General Emergency is being declared based on \_\_\_\_\_."   
I will be the Site Emergency Director, all support and job assignments must be authorized through me."

**3.0 INSTRUCTIONS** (continued)

4. **IF** Assembly Alarm has not been activated, **NOTIFY** Security (CAS) that assembly and accountability is to be conducted.

**SOUND** the assembly alarm **AND**  
**INITIATE** WBN EPIP-8, "Personnel Accountability and Evacuation".

5. **ANNOUNCE** to the plant: "ATTENTION ALL SITE PERSONNEL. ATTENTION ALL SITE PERSONNEL. A GENERAL EMERGENCY has been declared based on \_\_\_\_\_."

All plant personnel report to assembly areas for accountability. Staff the TSC and OSC." (Repeat)

6. **NOTIFY** the ODS direct by ODS Ringdown or 5-751-1700 or 5-751-2495 and **PROVIDE** the information from Appendix A.

**IF** the ODS cannot be contacted within 10 minutes, then directly notify Rhea County, Meigs County, McMinn County, and the Tennessee Emergency Management Agency (TEMA) of the classification.

Rhea County EMA	9-775-2505	_____(TIME)
(Alternate)	9-775-7828	_____(TIME)
Meigs County EMA	9-1-423-334-3049	_____(TIME)
(Alternate)	9-1-423-334-5268	_____(TIME)
McMinn County EMA	9-1-423-744-2760	_____(TIME)
(Alternate)	9-1-423-744-2721	_____(TIME)
Tennessee EMA	9-1-800-262-3300	_____(TIME)
(Alternate)	9-1-615-741-0001	_____(TIME)
(Alternate)	9-1-800-262-3400	_____(TIME)

7. **FAX** Appendix A to the ODS. (No. pre-programmed or 5-751-8620.)

8. **CALL** RADCON Lab and **SAY**: "We are in a General Emergency, implement WBN EPIP-14 and CECC EPIP-9."

9. **IF** there are personnel injuries, **IMPLEMENT** EPIP-10, "Medical Emergency Response".

10. **IF** there is a security threat, **IMPLEMENT** EPIP-11, "Security and Access Control".

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**3.0 INSTRUCTIONS** (continued)

- 11. **NOTIFY** Duty Plant Manager, **and PROVIDE** the Appendix A information (**SEE** duty list for telephone numbers). The Duty Plant Manager will call the Plant Manager or his alternate.
- 12. **EVALUATE** the need to implement EPIP-16, "Initial Dose Assessment for Radiological Emergencies," for a dose projection if radioactivity is being released through normal plant release paths.
- 13. **NOTIFY** the NRC by the NRC designated phone (ENS) of plan activation.

**NOTE** NRC notification should be made as soon as practicable, but within one hour of "GENERAL EMERGENCY" declaration. Whenever NRC requests, a qualified person must provide a continuous update to NRC Operations Center. The following commercial numbers are for the NRC Operations Center.<sup>3,13</sup>

9-1-301-816-5100 (MAIN)  
9-1-301-951-0550 (BACKUP)  
9-1-301-816-5151 (FAX)

- 14. **NOTIFY** NRC Resident Inspector by **CALLING** 1776 and **PROVIDING** the information on Appendix A.
- 15. **REEVALUATE** conditions using WBN EPIP-1 as necessary. **IF** conditions are under control, **INITIATE** actions identified in WBN EPIP-13, "Termination of the Emergency and Recovery." 
  - A. **IF** other plant conditions warrant the need for followup information, **COMPLETE** the Followup Notification Form, Appendix C, and **NOTIFY** the TSC/CECC (if it is staffed) or  
**NOTIFY** the ODS direct by ODS Ringdown or No. 5-751-1700 or 5-751-2495 **and PROVIDE** the information. **IF** the ODS cannot be contacted within 10 minutes, the Tennessee Emergency Management Agency is to be notified of the information by calling 9-1-800-262-3300 or 9-1-615-741-0001 or 9-1-800-262-3400.<sup>2</sup>
- 16. **FAX** Appendix C to the ODS.   
(No. pre-programmed or 5-751-8620.)

<b>WBN</b>	<b>GENERAL EMERGENCY</b>	<b>EPIP-5</b> <b>Revision 18</b> <b>Page 7 of 14</b>
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**CAUTION** If there is any possibility of a radiological release, do not send personnel into areas of unknown radiological conditions without first contacting RADCON.

- 17. **ENSURE** applicable notifications/actions required by SPP-3.5 and SPP-3.1 have been made.
  
- 18. **SEND** the completed WBN EPIP-5 and associated documentation to the Emergency Preparedness (EP) Manager. The EP Manager shall forward documentation to DCRM for storage as appropriate.

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#### **4.0 REFERENCES**

##### **4.1 Interfacing Documents**

*SPP-3.5 Regulatory Reporting Requirements*

*SPP-3.1 Corrective Action Program*

*WBN-EPIP-1 Emergency Plan Classification Flowchart*

*WBN-EPIP-2 Notification of Unusual Event*

*WBN-EPIP-3 Alert*

*WBN-EPIP-4 Site Area Emergency*

*WBN-EPIP-10 Medical Emergency Response*

*WBN-EPIP-11 Security and Access Control*

*WBN-EPIP-13 Termination of the Emergency and Recovery*

*WBN-EPIP-16 Initial Dose Assessment for Radiological Emergencies*

*CECC-EPIP-9 Emergency Environmental Radiological Monitoring Procedures*

##### **4.2 Other Documents**

*10 CFR 50.72 Immediate Notification Requirements for Operating Nuclear Power Reactors*

*NUREG 0654, FEMA-REP-1, Rev. 1, Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants.*

*ANSI N18.7-1976*

*10 CFR 20, Standards for Protection From Radiation*

*EPA 400-R-92-001, Manual of Protective Action Guides and Protective Actions for Nuclear Incidents*

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4.2 Other Documents (continued)

*Implementation of New EAL Protective Action Guides and Protective Actions for Nuclear Incidents*

*CECC-EPIP-8 Dose Assessment Staff Activities During Nuclear Plant Radiological Emergencies*

**5.0 APPENDICES**

Appendix A, Notification Information

Appendix B, Protective Action Recommendation Guidance

Appendix C, Followup Information Form

**6.0 RECORDS**

6.1 QA Record

Entire WBN EPIP-5, when the REP is activated, is a QA Record.

6.2 Non-QA Records

All EPIP-5 records generated during the course of a drill/exercise will be assembled by the EP Manager and stored appropriately.

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**APPENDIX A (Page 1 of 1)**  
**NOTIFICATION INFORMATION<sup>1,8</sup>**

**INITIAL NOTIFICATION FORM**

1.     "THIS IS A REAL EMERGENCY. THIS IS A REAL EMERGENCY." OR  
 "THIS IS A DRILL. THIS IS A DRILL."
2.    "This is \_\_\_\_\_ at the Watts Bar Nuclear Plant.  
There has been a REP activation on Unit 1."
3.    "The emergency classification is **General Emergency**."
4.    "The Event designator(s)/brief description is/are (e.g., Fission Product Barrier Matrix)  
\_\_\_\_\_."
5.    "The plant conditions are:     Stable     Deteriorating."
6.    "The radiological conditions are:  
 No Abnormal Release Offsite  
 Airborne Release Offsite  
 Liquid Release Offsite  
 Release Information Not Known."
7.    Wind Speed \_\_\_\_\_ Wind Direction FROM \_\_\_\_\_
8.    "The time the classification was declared \_\_\_\_\_ / \_\_\_\_\_."  

Time      Date
9.    "THE FOLLOWING PROTECTIVE ACTION RECOMMENDATION IS PROVIDED:"  
 Recommendation 1                       Recommendation 3  
 Recommendation 2                       Recommendation 4
10.    "Please repeat the information your have received to ensure accuracy."
11.   \_\_\_\_\_ / \_\_\_\_\_  

Signature                      Date

APPENDIX B  
(Page 1 of 1)

PROTECTIVE ACTION RECOMMENDATION GUIDANCE<sup>4,5,6,7,8,9,12</sup>

*Watts Bar Nuclear*

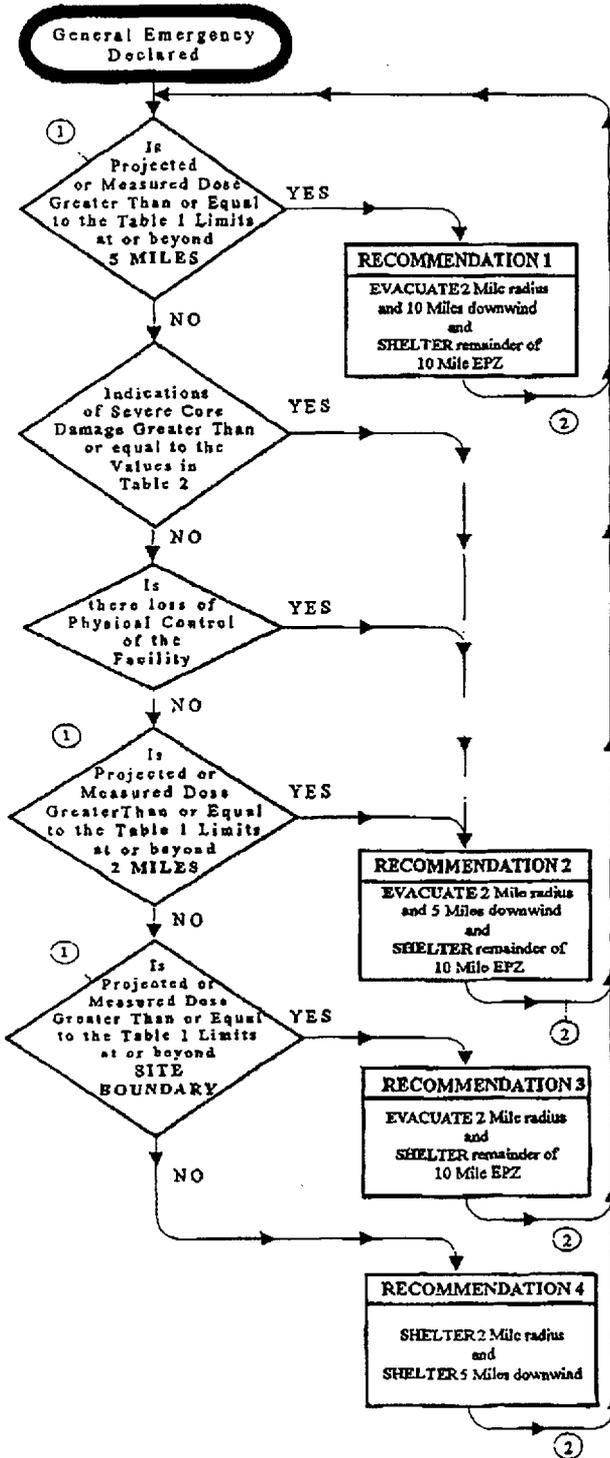
NOTES	
①	IF Conditions Are not known, Then Answer No.
②	<b>CONTINUE ASSESSMENT</b> Modify protective actions based on available plant and field monitoring information. Locate and evacuate additional localized hot spots.

TABLE 1 RADIOACTIVITY RELEASE DOSE	
TYPE	LIMIT
Measured	3.9 E-6 $\mu$ CI/cc of Iodine-131
	1 REM/hr External Dose
Projected	1 REM TEDE
	5 REM Thyroid CDE

TABLE 2 Severe Core Damage INDICATIONS	
1.	Containment radiation monitor reading * on I-RE-90-271 and 272 equal to or greater than 74 R/hr  or Containment radiation monitor reading * on I-RE-90-273 and 274 equal to or greater than 59 R/hr
2.	Reactor Coolant Activity of $\geq 300 \mu$ CI/gm Dose Equivalent Iodine-131.
3.	Inadequate core cooling as indicated by "red" path from core cooling status tree.
4.	Core exit TCs greater than 1200° F

odp/designer/WBNPAG.DRW  
August 28, 1995

\* Revision





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SOURCE NOTES

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|---|---|
| <sup>1</sup> NRC IE Information Notice No. 89-89          | Event Notification Worksheets   |
| <sup>2</sup> NRC IE Information Notice No. 86-97          | Emergency Communications System   |
| <sup>3</sup> NRC IE Information Notice No. 86-28          | Telephone Numbers to the NRC Operations Center and Regional Offices   |
| <sup>4</sup> NRC IE Information Notice No. 83-28          | Criteria For Protective Action<br>Recommendations For General Emergencies   |
| <sup>5</sup> MC-850321809004, MSC-00956,<br>NCO-920030366 | Monitor readings included in Logic Diagram for Protective Action<br>Recommendations App. B, Note 3.   |
| <sup>6</sup> NIR-0588, DV-851601F 00001.                  | Include sheltering and immediate Protective Action. Appendix B (Page 1 of 1)<br>Recommendation 2 and Note 1 Initiating Conditions.  |
| <sup>7</sup> MC-840827005037, MSC-02402.                  | Revision to Instructional Notes. Appendix B (Page 1 of 1) Notes 1 through 5.  |
| <sup>8</sup> MC-840827005005, MSC-02376,<br>NCO-920030986 | Range of Protective Action<br>Recommendations by the Site Emergency Director. Appendix A (Page 1 of 1) Number 9.<br>Appendix B (Page 1 of 1) Protective Action Recommendation Guidance.<br>Recommendations 1 through 9. |

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**SOURCE NOTES**

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- <sup>9</sup> MC-840719003003, MSC-00700, NCO-920030221      CNTMT Rad Monitor Levels used in Protective Action Recommendations. Appendix B (Page 1 of 1) Note 3.
- <sup>10</sup> MC-840827005035A, MSC-2400.      SED duties that can not be delegated. Section 2.0 responsibility. Also see EIPs 6 and 15.
- <sup>11</sup> ANSI N18.7-1976  
Subsection 5.3.9.3: 01POI      EIPs will contain the following elements.
- <sup>12</sup> 390/93-64A      10 CFR 20 revision made to the PAR chart.
- <sup>13</sup> NRC Administrative Letter 94-04      Change of NRC Operations Center commercial telephone and facsimile numbers.