Tennessee Valley Authority, 1101 Market Street, Chattanooga, Tennessee 37402-2801

April 23, 2004

10 CFR 50,
Appendix E
Section V

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D.C. 20555-0001

Gentlemen:

In the Matter of	)	Docket Nos.	50-259	50-390
Tennessee Valley Authority	)		50-260	50-391
			50-296	50-327
				50-328

TVA CENTRAL EMERGENCY CONTROL CENTER (CECC) - EMERGENCY PLAN IMPLEMENTING PROCEDURE (EPIP) REVISIONS

In accordance with the requirements of 10 CFR Part 50, Appendix E, Section V, enclosed are copies of the Effective Page Listing and revisions to CECC EPIPs.

PROCEDURE		EFFECTIVE DATE
EPIP	EPL	4/15/04
EPIP-2	Rev. 31	4/15/04
EPIP-3	Rev. 32	4/15/04
EPIP-4	Rev. 33	4/15/04
EPIP-5	Rev. 35	4/15/04
EPIP-15	Rev. 1	4/15/04
EPIP-16	Rev. 1	4/15/04
EPIP-22	Rev. 20	4/15/04

A045

If you have any questions, please contact Terry Knuettel at (423) 751-6673.

Sincerely,

Mark J. Burzynski
Manager
Nuclear Licensing

Enclosures
cc (Enclosures):
U.S. Nuclear Regulatory Commission (Enclosures 2)
Region II
Sam Nunn Atlanta Federal Center
61 Forsyth Street, SW, Suite 23T85
Atlanta, Georgia 30303-8931

NRC Senior Resident Inspector [Enclosures provided
Browns Ferry Nuclear Plant by site DCRM]
10833 Shaw Road
Athens, Alabama 35611-6970

NRC Senior Resident Inspector [Enclosures provided
Sequoyah Nuclear Plant by site DCRM]
2600 Igou Ferry Road
Soddy Daisy, Tennessee 37379-3624

NRC Senior Resident Inspector [No enclosures, by request
Watts Bar Nuclear Plant of site resident]
1260 Nuclear Plant Road
Spring City, Tennessee 37381-2000

DOCUMENT RELEASE AND FILING INSTRUCTIONS

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Release No.

To: Management Services/RIM/EDM
Other
Address:
Date Submitted to Management Services/RIM/EDM:
Date to Filed By:

Prepared By: Gail White
Extension: 751-2108
Organization: AS&P
Address: LP 4D-C

Attached are: *(select one)*
☒ QA Records/Documents
☐ Non-QA Records/Documents

Release and Submitted for:
☒ Distribution
☒ Retention

DOCUMENT NUMBER	REV	NO. PAGES	REC ACCPT Y	REC ACCPT N	DATE	REMOVE PAGES	INSERT PAGES
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CECC EPIP-2, rev. log	31	2	✓			rev. log	rev. log
CECC EPIP-2	31	5	✓			All	1 - 5
CECC EPIP-3, cover sheet	32	1	✓		4-15-04	cover sheet	cover sheet
CECC EPIP-3, rev. log	32	2	✓			rev. log	rev. log
CECC EPIP-3	32	8	✓			All	1 - 8
CECC EPIP-4, cover sheet	33	1	✓		4-15-04	cover sheet	cover sheet
CECC EPIP-4, rev. log	33	2	✓			rev. log	rev. log
CECC EPIP-4	33	8	✓			All	1 - 8
CECC EPIP-5, cover sheet	35	1	✓		4-15-04	cover sheet	cover sheet
CECC EPIP-5, rev. log	35	2	✓			rev. log	rev. log
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CECC EPIP-15, cover sheet	1	1	✓		4-15-04	cover sheet	cover sheet
CECC EPIP-15, rev. log	1	1	✓			rev. log	rev. log
CECC EPIP-15	1	5	✓			All	1 - 5

Date

Contact: Ext.

Acceptance:

Lara L. Farmer 4-15-04
Signature Date

NP	DOCUMENT RELEASE AND FILING INSTRUCTIONS *Continuation Sheet*	PAGE 2 OF 2 RELEASE NO. _____

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CECC EPIP-16, cover sheet	1	1	✓		4-15-04	cover sheet	cover sheet
CECC EPIP-16, rev. log	1	1	✓			rev. log	rev. log
CECC EPIP-16	1	15	✓			All	1 – 15
CECC EPIP-22, cover sheet	20	1	✓		4-15-04	cover sheet	cover sheet
CECC EPIP-22, rev. log	20	2	✓			rev. log	rev. log
CECC EPIP-22	20	7	✓			All	1 – 7
NOTE : REPLACE YOUR							
OLD TABS WITH THE							
NEW ONES ATTACHED.							

TENNESSEE VALLEY AUTHORITY
CENTRAL EMERGENCY CONTROL CENTER EMERGENCY PLAN
IMPLEMENTING PROCEDURES
LIST OF EFFECTIVE PAGES

This list of effective pages must be retained with the CECC-EPIPs.

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CECC EPIP Coversheet

Tennessee Valley Authority CENTRAL EMERGENCY CONTROL CENTER EMERGENCY PLAN IMPLEMENTING PROCEDURES	Title OPERATIONS DUTY SPECIALIST PROCEDURE FOR NOTIFICATION OF UNUSUAL EVENT	CECC EPIP-2 REV. 31 Effective Date: 4/15/04

WRITTEN BY: Thomas E. Adkins (Signature) REVIEWED BY: C. Baird Pond (Signature) 4/2/2004 (Date)

PLAN EFFECTIVENESS DETERMINATION: Thomas E. Adkins (Signature) 3/31/04 (Date)

CONCURRENCES

Concurrence Signature	Date
☒ Manager, EP Program Planning and Implementation C Baird Pond	4/2/2004
☒ Manager, Emergency Preparedness B K Marler	4/6/04
☒ Manager, Radiological and Chemistry Services Chandler	4/8/04
☐	

APPROVAL

APPROVED BY: [signature] (Signature) Vice President, E&TS (Title / Organization) 4/13/04 (Date)

CECC-EPIP-2
OPERATIONS DUTY SPECIALIST
PROCEDURE FOR NOTIFICATION OF UNUSUAL EVENT

REVISION LOG

Rev. No.	Date	Revised Pages
0	3/22/88	All (Changed from IPD to EPIP)
1	4/27/88	3
2	11/18/88	3
3	4/26/89	All
4	7/13/89	3
5	9/19/89	All
6	10/26/89	1,2, App. A (pg.2), App. B (p.2)
7	5/23/90	App. A (p.2), App. B (p.2)
8	5/21/91	Page 2 of 2, App. A, Pgs. 1 and 2, App. B, Pgs. 1 and 2
9	5/31/91	Page 2 of 2; App. B, Pgs. 1 and 2
10	12/12/91	Pages 1-2; App. A, pgs. 1-2; App. B, Pgs. 1-2
11	12/23/92	New coversheet and rev log added; pgs. 1-3; App. A, Appendix B deleted
12	06/18/93	Page 3; all pages issued.
13	06/28/94	All
14	2/17/95	Page 3 Name removal from notification list
15	7/13/95	Page 3 change Al. Area code; All pages issued.
16	3/20/96	Page 3 change M. O. Medford to J. P. Maciejewski; all pages issued.
17	10/30/96	Change SOS to SM, add SNE to call list, add M. O. Medford to call list, correct telephone area code.
18	12/12/96	Page 3 change M. O. Medford to O. J. Zeringue; all pages issued.
19	4/7/97	Annual review. Add notification completed step to procedure. All pages issued.
20	7/16/97	Modify notification list. All pages issued.
21	9/24/98	Add Mr. Scalice to notification list and remove Mr. Zeringue. All pages issued.

CECC-EPIP-2
OPERATIONS DUTY SPECIALIST
PROCEDURE FOR NOTIFICATION OF UNUSUAL EVENT

REVISION LOG (Continued)

Rev. No.	Date	Revised Pages
22	11/13/00	Add Public Information Manager to OPS notification list. Remove reference to notification board.
23	3/30/01	Annual review. Revise initial State Notification Form. All pages issued.
24	8/23/01	Update notification list. All pages issued.
25	11/7/01	Update notification list. All pages issued.
26	6/13/02	Annual review, add TPS notification, add credible threat NOUE activation of CECC, update notification list, add time to Initial State Notification Form. All pages issued.
27	7/24/02	Change "credible threat" terminology and update notification list. All pages issued.
28	9/3/02	Update organization names. Add Load Coordinator and TPS Transmission Dispatcher phone numbers.
29	10/30/02	Remove statement to activate CECC at a credible threat EAL. Move the procedure step for the ODS to notify the SED of the State notification of the event to a point earlier in the procedure.
30	3/31/03	Annual review, new release terminology added to Initial Notification Form. All pages issued.
31	4/15/04	Annual review. Remove step that instructs the ODS to turn on recording equipment. All pages issued.

OPERATIONS DUTY SPECIALIST PROCEDURE FOR NOTIFICATION OF UNUSUAL EVENT

1.0 PURPOSE

This procedure is designed to direct the ODS during a Notification of Unusual Event to ensure consistent, accurate, and timely response in the event of an emergency.

2.0 SCOPE

This procedure covers anticipated requirements of the ODS during a Notification of Unusual Event.

3.0 REFERENCES

Radiological Emergency Plan

4.0 ABBREVIATIONS AND DEFINITIONS

EDO - Emergency Duty Officer
ODS - Operations Duty Specialist
CECC - Central Emergency Control Center
NP - Nuclear Power
SNE - Senior Nuclear Executive

5.0 RESPONSIBILITIES

5.1 Upon notification by the Site Emergency Director that a Notification of Unusual Event exists, the ODS is responsible for recording the preliminary report of information concerning the incident on Appendix A.

5.2 The ODS is responsible for notifying the appropriate State agency, CECC EDO, key NP emergency response personnel, the Load Coordinator, and the TPS Transmission Dispatcher.

5.3 The ODS is responsible for recording any follow-up information on Appendix B and notifying the appropriate State, CECC EDO, and CECC Director.

6.0 PROCEDURE REQUIREMENTS

6.1 Actions to be Taken for a Notification of Unusual Event

The ODS performs the following tasks:

NOTE: When making notifications of an emergency situation, provide only the information contained on the attachment. Avoid any unnecessary explanation or elaboration of the information. Timeliness and accuracy is of the utmost importance. If additional information/explanation is required by any party, provide the name and phone number of the EDO and request they contact him or patch them through to him.

(TIME/INITIALS)

____/___ 6.1.1 Upon receiving a call from the Site Emergency Director:

* Enter the following information.
*

Current Date: _____
Current Time: _____

____/___ 6.1.2 Refer to the form in Appendix A and log information to be provided to the State.

6.1.3 Make notification call to the appropriate State (not to exceed 15 minutes from the time of the declaration of the event).

Tennessee

* (Use the ringdown telephone as the primary means to contact TEMA. If this does not work,
* then use numbers programmed on phones.)

* Time State Call Initiated: _____

* TEMA Duty Officer: _____

Alabama

* DAYSHIFT
* (See numbers programmed on phones.)

* Time State Call Initiated: _____

* Alabama Office of Radiation Control Duty Officer: _____

* AFTER HOURS NOTIFY
* (See numbers programmed on phones.)

* Call Montgomery State Trooper Post to have the Office of Radiation Control Duty Officer
* call the ODS

* Time State Call Initiated: _____ Trooper Name: _____

* Alabama Office of Radiation Control Duty Officer: _____

*Revision

(TIME/INITIALS)

____/___ 6.1.4 Inform the Site Emergency Director that the respective State has been notified.

6.1.5 Notify the following by phone or pager.

____/___ CECC EDO (See REPTRACK Duty List)

____/___ CECC Director (See REPTRACK Duty List)

____/___ J. A. Scalice (See REND Call-Out List - SNE)

____/___ J. E. Maddox (See REND Call-Out List - SNE)

____/___ B. K. Marks (See REND Call-Out List - CECC Director)

____/___ SNE (See REPTRACK Duty List or REND Call-Out List - SNE)

____/___ Nuclear Emergency Public Information Duty Officer (See REPTRACK Duty List)

____/___ 6.1.6 Notify the Load Coordinator of the condition (751-7547).

____/___ 6.1.7 Notify the TPS Transmission Dispatcher of the condition.
BFN: SW Dispatch 751-4203
SQN: SE Dispatch 751-4208
WBN: NE Dispatch 751-4204

____/___ 6.1.8 Upon receiving telecopy of the Site Emergency Director event form verify the information recorded on Appendix A of this procedure is correct.

____/___ 6.1.9 Telecopy Appendix A of this procedure to the affected State.

AL. Office of Radiation Control	(334) 206-5387
TEMA	(615) 242-9635

____/___ 6.1.10 Verify that the telecopy to the State has been received. (Only during normal working hours for AL. Office of Radiation Control.) Use programmed telephone number for the affected State.

____/___ 6.1.11 Refer to the form in Appendix B, log follow-up information regarding the event in progress, and provide to the appropriate State, CECC EDO, and CECC Director.

6.2 **Actions To Be Taken When the Condition Is Terminated**

6.2.1 Upon notification of the termination of the Notification of Unusual Event, the ODS has the responsibility of notifying all parties informed in section 6.1 of this procedure.

____/___ Notifications completed

Exceptions: _____

APPENDIX A
Page 1 of 1

TVA INITIAL NOTIFICATION FORM FOR UNUSUAL EVENT

1. ☐ This is a Drill ☐ This is an Actual Event - Repeat - This is an Actual Event

2. This is _____, ☐ Browns Ferry ☐ Sequoyah ☐ Watts Bar has declared an **UNUSUAL EVENT**
TVA Operations Duty Specialist
at telephone number (423) 751-1700

affecting: ☐ Unit 1 ☐ Unit 2 ☐ Unit 3 ☐ Common

3. **EAL Designator(s):** _____

4. **Brief Description of the Event:** _____

_____

_____

_____

_____

5. **Radiological Conditions:** (Check one under **both** Airborne and Liquid column.)

Airborne Releases Offsite	Liquid Releases Offsite
☐ Minor releases within federally approved limits[1]	☐ Minor releases within federally approved limits[1]
☐ Releases above federally approved limits[1]	☐ Releases above federally approved limits[1]
☐ Release information not known	☐ Release information not known
([1]Tech Specs)	([1]Tech Specs)

6. **Event Declared:** Time: _____ Date: _____

7. **Provide Protective Action Recommendation:** ☐ None

8. Please repeat the information you have received to ensure accuracy.

9. Time and Date this information was provided _____/_____

Action: When completed, telecopy this information.

Entire Page Revised

APPENDIX B Page 1 of 1

FOLLOW-UP INFORMATION FORM NOTIFICATION OF UNUSUAL EVENT

1. "This is a Real Emergency. This is a Real Emergency." ☐
   or
   "This is a Drill. This is a Drill." ☐

2. Time _____

3. The following significant changes in Plant Conditions have occurred.

_____

_____

_____

_____

4. The following significant changes in Radiological Conditions have occurred._____

_____

_____

_____

_____

5. "Please repeat the information you have received to ensure accuracy."

6. Time information provided to State. _____

7. Name _____ Date _____

Note: When completed telecopy this Form to the State.

CECC EPIP Coversheet

Tennessee Valley Authority CENTRAL EMERGENCY CONTROL CENTER EMERGENCY PLAN IMPLEMENTING PROCEDURES	Title OPERATIONS DUTY SPECIALIST PROCEDURE FOR ALERT	CECC EPIP-3 REV. 32 Effective Date: 4/13/04

WRITTEN BY: Thomas E. Adkins (Signature) REVIEWED BY: C. David Bond (Signature) 4/2/2004 (Date)

PLAN EFFECTIVENESS DETERMINATION: Thomas E. Adkins (Signature) 3/31/04 (Date)

CONCURRENCES

Concurrence Signature	Date
☒ Manager, EP Program Planning and Implementation C. David Bond	4/2/2004
☒ Manager, Emergency Preparedness B K Mahr	4/6/04
☒ Manager, Radiological and Chemistry Services Chandran	4/8/04
☐	

APPROVAL

APPROVED BY: [signature] (Signature) Vice President, E&TS (Title / Organization) 4/13/04 (Date)

CECC-EPIP-3
OPERATIONS DUTY SPECIALIST
PROCEDURE FOR ALERT

REVISION LOG

Rev. No.	Date	Revised Pages
0	3/22/88	All (Changed from IPD to EPIP)
1	04/27/88	3
2	11/18/88	3, 4
3	4/26/89	All
4	7/13/89	3, 4
5	9/19/89	All
6	10/26/89	2, App. A (p. 2), App. B (p.2) Title changed (pgs. 1-2)
7	5/23/90	"Site Area Emergency" section moved to EPIP-4. App. A (pg2), App. B (p.2). App. C added (p.1)
8	5/21/91	Pages 2 and 3, App. A, Pgs. 1 & 2, App. B, Pgs. 1 & 2
9	05/31/91	Page 2 of 3; Appendix B, pages 1 and 2
10	12/12/91	Pages 1-3/ App. A, pgs. 1-2; App. B, pgs. 1-2.
11	05/15/92	Page 2 revised; new coversheet and rev. log added; All pages issued.
12	12/23/92	Pages 1-4; App. A, Pg. 1; App. B, Pg. 1; App. C deleted.
13	01/25/93	Pages 1, 3 & 4; added activation of ERDS system. All pages issued.
14	06/18/93	Page 3; all pages issued.
15	06/24/94	Pages 1-4; App. B; Former App. B changes to App. C.
16	2/17/95	Page 3 Name removal from notification list.
17	7/13/95	Page 4 Changed AL. area code. All pages issued.
18	3/20/96	Page 3 Change M. O. Medford to J. P. Maciejewski; all pages issued.
19	10/30/96	Removed references to SOS, add M. O. Medford to call list, rearrange order of call list, telephone number updates, add statement to clarify CECC security setup instructions. Procedure put in new format. All pages issued.
20	12/12/96	Page 3 remove M. O. Medford. Page 4 add O. J. Zeringue; all pages issued.
21	4/7/97	Annual review. Update State of AL. fax number. All pages issued.
22	7/16/97	Correct telephone number. Modify notification list. All pages issued.
23	9/24/98	Update manual callout list and instructions. All pages issued.

REVISION LOG (Continued)

Rev. No.	Date	Revised Pages
24	11/13/00	Add section to cover ODS relocation, editorial changes.
25	3/30/01	Annual review. Revise initial State Notification Form. All pages issued.
26	8/23/01	Update notification list. All pages issued.
27	6/13/02	Annual review. Add TPS notification, update notification list, add time to to Initial State Notification Form, editorial changes. All pages issued.
28	7/24/02	Update notification list. Change Automated Paging System to Emergency Paging System. Change CECC Notification Board to REND. All pages issued.
29	9/3/02	Update organizational names. Add Load Coordinator and TPS Transmission Dispatcher phone numbers.
30	10/30/02	Move the procedure step for the ODS to notify the SED of the State notification of the event to a point earlier in the procedure.
31	3/31/03	Annual review, new release terminology added to Initial Notification Form. All pages issued.
32	4/15/04	Annual review. Remove step that instructs the ODS to turn on recording equipment. All pages issued.

OPERATIONS DUTY SPECIALIST PROCEDURE FOR ALERT

1.0 PURPOSE

This procedure is designed to direct the ODS during an Alert to ensure consistent, accurate, and timely response in the event of an emergency.

2.0 SCOPE

This procedure covers anticipated requirements of the ODS during an Alert. This procedure should not be used after the CECC has assumed responsibility for communications with the State under CECC EPIP-1.

3.0 REFERENCES

Radiological Emergency Plan

4.0 ABBREVIATIONS AND DEFINITIONS

EDO - Emergency Duty Officer
ERDS - Emergency Response Data System
ODS - Operations Duty Specialist
CECC - Central Emergency Control Center

5.0 RESPONSIBILITIES

5.1 Upon notification by the Site Emergency Director that an Alert exists, the ODS is responsible for recording the preliminary report of information concerning the incident on Appendix A.

*5.2 The ODS is responsible for notifying the appropriate State agency, CECC EDO, Load Coordinator, TPS Transmission Dispatcher, and key CECC staff. The ODS is also responsible for notifying technical support personnel as requested.

5.3 The ODS is responsible for recording any follow-up information on Appendix B and notifying the appropriate State.

6.0 PROCEDURE REQUIREMENTS

6.1 Actions to be Taken for an Alert

The ODS performs the following tasks:

NOTE: When making notifications of an emergency situation, provide only the information contained on the attachment. Avoid any unnecessary explanation, interpretation, or elaboration of the information. Timeliness and accuracy is of the utmost importance.

*Revision

(TIME/INITIALS)

____/___ 6.1.1 Upon receiving a call from the Site Emergency Director:

* Enter the following information.

Current Date: _____
Current Time: _____

____/___ 6.1.2 Refer to the form in Appendix A and log information to be provided to the State.

6.1.3 Make notification call to the appropriate State (not to exceed 15 minutes from the time of the declaration of the event).

Tennessee

* (Use the ringdown telephone as the primary means to contact TEMA. If this does not work,
* then use numbers programmed on phones.)

* Time State Call Initiated: _____

* TEMA Duty Officer: _____

Alabama

* DAYSHIFT
* (See numbers programmed on phones.)

* Time State Call Initiated: _____

* Alabama Office of Radiation Control Duty Officer: _____

* AFTER HOURS NOTIFY
* (See numbers programmed on phones.)

* Call Montgomery State Trooper Post to have the Office of Radiation Control Duty Officer
* call the ODS

* Time State Call Initiated: _____ Trooper Name: _____

* Alabama Office of Radiation Control Duty Officer: _____

*Revision

(TIME/INITIALS)

____/____ 6.1.4 If event **has been terminated** refer to CECC-EPIP-2 and perform Sections 6.1.4 through 6.1.10 of that procedure for notification and receive further guidance from the EDO.

____/____ 6.1.5 If event **has not been terminated**, activate Emergency Paging System. Monitor the Emergency Paging System screen. If any critical positions do not respond within 15 minutes or indicate they cannot respond, then use the REND or REP duty list to contact duty or backup staff for those positions. Appendix C will be used to document Fitness for Duty for positions contacted by telephone. Steps 6.1.6 through 6.1.26 of this procedure should be done in parallel with these actions as time permits.

-OR-

If Emergency Paging System is not operable, notify the following and have them report to the center (see the REPTRACK Duty List or REND). Initial attempts to fill critical positions should be performed before moving on to non-critical positions and steps 6.1.6 through 6.1.26 of this procedure. Appendix C will be used to document fitness for duty.

	Critical Positions
____/____	CECC EDO
____/____	CECC Director
____/____	Radiological Assessment Manager
____/____	Plant Assessment Manager
____/____	Dose Assessor
____/____	Plant Assessment Team Leader
____/____	Plant Assessment Coordinator
____/____	Nuclear Emergency Public Information Duty Officer

____/____ Environs Assessor
____/____ Management Services Supervisor
____/____ Resource Support Coordinator
____/____ Core Damage
____/____ Engineering Representative
____/____ Meteorologist
____/____ Communications Support Personnel (Telephones)
____/____ Computer Support Personnel
____/____ B. K. Marks

____/____ 6.1.6 If event has not been terminated, activate the ERDS system (not to exceed 1 hour after the declaration of the event). If the ERDS system fails to activate, continue with the next step (6.1.7) of this procedure.

____/____ 6.1.7 Inform the Site Emergency Director that the respective state has been notified.

____/____ 6.1.8 Notify the CECC EDO.

____/____ 6.1.9 Notify COC Security (751-3783) and request that security be established and key card access be initiated.

If the ODS is located in the Power Business Center and conditions allow relocation to the CECC continue with step 6.1.10 of this procedure, if the ODS is located in the CECC or is not relocating to the CECC proceed to section 6.1.17 of this procedure.

____/____ 6.1.10 Transfer 751-1700 to the cellular phone.

____/____ 6.1.11 Notify TEMA (for SQN and WBN events) that the ODS will be in transit to the CECC and that all calls should be made to 423-751-1700 until further notice.

____/____ 6.1.12 Relocate to the CECC.

Upon arrival in the CECC perform the following:

____/____ 6.1.13 Follow up on any calls received during transit to the CECC.

____/____ 6.1.14 Place the "A-B" switches for the Paging, ERDS and Alarm Notification Systems to the "A" position.

____/____ 6.1.15 Transfer 751-1700 and the three site ringdown phones from the cellular phone back to the desktop phone.

____/____ 6.1.16 Notify TEMA (for SQN and WBN events) that the ODS is in the CECC and can now use the ringdown phone for communications.

____/____ 6.1.17 Notify J. E. Maddox (See REND Call-Out List-SNE).

____/____ 6.1.18 Notify J. A. Scalice (See REND Call-Out List-SNE).

____/____ 6.1.19 Notify the Load Coordinator of the condition (751-7547).

____/____ 6.1.20 Notify the TPS Transmission Dispatcher of the condition.
BFN: SW Dispatch 751-4203
SQN: SE Dispatch 751-4208
WBN: NE Dispatch 751-4204

____/____ 6.1.21 Upon receiving telecopy of the Site Emergency Director event form, verify the information recorded on Appendix A of this procedure is correct.

____/____ 6.1.22 Telecopy Appendix A of this procedure to the affected State.

AL. Office of Radiation Control	(334) 206-5387
TEMA	(615) 242-9635

____/____ 6.1.23 Verify that the telecopy to the State has been received (only during normal working hours for Al. Office of Radiation Control). Use programmed telephone number for the affected State.

____/____ 6.1.24 If the ERDS system failed to activate in step 6.1.6 of this procedure, notify the computer support duty officer and the NRC duty officer at telephone number (301) 816-5100.

____/____ 6.1.25 Refer to the form in Appendix B, log follow-up information, and provide to the appropriate State.

____/____ 6.1.26 Continue attempts to contact any critical or non-critical positions in Section 6.1.5 of this procedure that have not responded.

APPENDIX A
Page 1 of 1

TVA INITIAL NOTIFICATION FORM FOR ALERT

1. ☐ This is a Drill ☐ This is an Actual Event - Repeat - This is an Actual Event

2. This is _____, ☐ Browns Ferry ☐ Sequoyah ☐ Watts Bar has declared an **ALERT**
TVA Operations Duty Specialist
at telephone number (423) 751-1700

affecting: ☐ Unit 1 ☐ Unit 2 ☐ Unit 3 ☐ Common

3. **EAL Designator(s):** _____

4. **Brief Description of the Event:** _____

_____

_____

_____

_____

5. **Radiological Conditions:** (Check one under **both** Airborne and Liquid column.)

Airborne Releases Offsite	Liquid Releases Offsite
☐ Minor releases within federally approved limits[1]	☐ Minor releases within federally approved limits[1]
☐ Releases above federally approved limits[1]	☐ Releases above federally approved limits[1]
☐ Release information not known	☐ Release information not known
([1]Tech Specs)	([1]Tech Specs)

6. **Event Declared:** Time: _____ Date: _____

7. **Provide Protective Action Recommendation:** ☐ None

8. Please repeat the information you have received to ensure accuracy.

9. Time and Date this information was provided _____/_____

Action: When completed, telecopy this information.

Entire Page Revised

APPENDIX B Page 1 of 1

FOLLOW-UP INFORMATION FORM ALERT

1. "This is a Real Emergency. This is a Real Emergency." ☐
   or
   "This is a Drill. This is a Drill." ☐
2. Time _____
3. The following significant changes in Plant Conditions have occurred.

_____

_____

_____

_____

4. The following significant changes in Radiological Conditions have occurred. _____

_____

_____

_____

_____

5. "Please repeat the information you have received to ensure accuracy."

6. Time information provided to State. _____

7. Name _____ Date _____

Note: When completed telecopy this Form to the State.

APPENDIX C Page 1 of 1

FITNESS FOR DUTY
PROGRAM ADMINISTRATION

TVA NUCLEAR
CALL-IN SHEET

Person Calling: _____ Date: _____

Name	Time Called	Time Needed to Report	Alcohol 5 Hrs. Prior to Report (Y/N)	Fit for Duty (Y/N)	Duty Official Comments

CECC EPIP Coversheet

Tennessee Valley Authority CENTRAL EMERGENCY CONTROL CENTER EMERGENCY PLAN IMPLEMENTING PROCEDURES	Title OPERATIONS DUTY SPECIALIST PROCEDURE FOR SITE AREA EMERGENCY	CECC EPIP-4 REV. 33 Effective Date: 4/15/04

WRITTEN BY: T. Thomas E. Adkins (Signature) REVIEWED BY: C. David Pond (Signature) 4/2/2004 (Date)

PLAN EFFECTIVENESS DETERMINATION: T. Thomas E. Adkins (Signature) 3/31/04 (Date)

CONCURRENCES

Concurrence Signature	Date
☒ Manager, EP Program Planning and Implementation C. David Pond	4/2/2004
☒ Manager, Emergency Preparedness B K Markee	4/6/04
☒ Manager, Radiological and Chemistry Services Brandon	4/8/04
☐	

APPROVAL

APPROVED BY: T. E. Madden (Signature) Vice President, E&TS (Title / Organization) 4/13/04 (Date)

CECC-EPIP-4
OPERATIONS DUTY SPECIALIST
PROCEDURE FOR SITE AREA EMERGENCY

REVISION LOG

Rev. No.	Date	Revised Pages
0	3/22/88	All (changed from IPD to EPIP)
1	4/27/88	4
2	7/8/88	Pages 3 & 4, Page 2 of App. B
3	11/18/88	3, 4
4	4/26/89	All
5	7/13/89	3, 4
6	9/19/89	All
7	10/26/89	2, App. A (pg. 2), App. B (p. 2)
8	5/23/90	"General Emergency" moved to EPIP-5, App. A (p. 2), App. B (p.2), App. C added (p.1).
9	5/21/91	Pages 2 & 3, App. A, Pgs. 1 & 2, App. B, Pgs. 1 & 2
10	5/31/91	Page 2 of 3; Appendix B, Pages 1 & 2
11	12/12/91	Pages 1-3; App. A, pgs. 1-2; App. B, pgs. 1-2.
12	05/15/92	Page 2 revised; new coversheet and rev. log added; all pages issued.
13	12/23/92	All
14	01/25/93	Pages 1, 3-4, add activation of ERDS system. All pages issued.
15	06/18/93	Page 3; all pages issued.
16	06/24/94	Pages 1-4; App. B; Former App. B changed to App. C.
17	2/17/95	Page 3 Name removal from notification list.
18	7/13/95	Page 4 Change AL. Area code. All pages issued.
19	3/20/96	Page 3 Change M. O. Medford to J. P. Maciejewski; All pages issued.
20	10/30/96	Remove references to SOS, add M. O. Medford to call list, telephone number updates; add statement to clarify CECC security setup instructions. Procedures put in new format. All pages issued.
21	12/12/96	Page 3 removed M. O. Medford: Page 4 add O. J. Zeringue; All pages issued.
22	4/7/97	Annual review, update State of AL. fax number. All pages issued.

REVISION LOG (Continued)

Rev. No.	Date	Revised Pages
23	7/16/97	Correct telephone number. Modify notification list. All pages issued.
24	9/24/98	Annual review. Update manual callout list. All pages issued.
25	11/13/00	Add section to cover ODS relocation, editorial changes.
26	3/30/01	Annual review. Revise initial State Notification Form. All pages issued.
27	8/23/01	Update notification list. All pages issued.
28	6/13/02	Annual review. Add TPS notification, update notification list, add time to Initial State Notification Form, editorial changes. All pages issued.
29	7/24/02	Update notification list. Change Automated Paging to Emergency Paging System. Change CECC Notification Board to REND. All pages issued.
30	9/3/02	Update organization names. Add Load Coordinator and TPS Transmission Dispatcher phone numbers.
31	10/30/02	Move the procedure step for the ODS to notify the SED of the State notification of the event to a point earlier in the procedure.
32	3/31/03	Annual review, new release terminology added to Initial Notification Form. All pages issued.
33	4/15/04	Annual review. Remove step that instructs the ODS to turn on recording equipment. All pages issued.

OPERATIONS DUTY SPECIALIST PROCEDURE FOR SITE AREA EMERGENCY

1.0 PURPOSE

This procedure is designed to direct the ODS during a Site Area Emergency to ensure consistent, accurate, and timely response in the event of an emergency.

2.0 SCOPE

This procedure covers anticipated requirements of the ODS during a Site Area Emergency. This procedure should not be used after the CECC has assumed responsibility for communication with the State under CECC-EPIP-1.

3.0 REFERENCES

Radiological Emergency Plan

4.0 ABBREVIATIONS AND DEFINITIONS

EDO - Emergency Duty Officer
ERDS - Emergency Response Data System
ODS - Operations Duty Specialist
CECC - Central Emergency Control Center

5.0 RESPONSIBILITIES

5.1 Upon notification by the Site Emergency Director that a Site Area Emergency exists, the ODS is responsible for recording the preliminary report of information concerning the incident on Appendix A.

*5.2 The ODS is responsible for notifying the appropriate State agency, CECC EDO, Load Coordinator, TPS Transmission Dispatcher, and key CECC staff. The ODS is also responsible for notifying technical support personnel as requested.

5.3 The ODS is responsible for recording any follow-up information on Appendix B and notifying the appropriate State.

6.0 PROCEDURE REQUIREMENTS

6.1 Actions to be Taken for a Site Area Emergency

The ODS performs the following tasks:

NOTE: When making notifications of an emergency situation, provide only the information contained on the attachment. Avoid any unnecessary explanation, interpretation, or elaboration of the information. Timeliness and accuracy is of the utmost importance.

*Revision

(TIME/INITIALS)

____/___ 6.1.1 Upon receiving a call from the Site Emergency Director:

* Enter the following information.
*

Current Date: _____
Current Time: _____

____/___ 6.1.2 Refer to the form in Appendix A and log information to be provided to the State.

6.1.3 Make notification call to the appropriate State (not to exceed 15 minutes from the time of the declaration of the event).

Tennessee

* (Use the ringdown telephone as the primary means to contact TEMA. If this does not work,
* then use numbers programmed on phones.)

* Time State Call Initiated: _____

* TEMA Duty Officer: _____

Alabama

* DAYSHIFT
* (See numbers programmed on phones.)

* Time State Call Initiated: _____

* Alabama Office of Radiation Control Duty Officer: _____

* AFTER HOURS NOTIFY
* (See numbers programmed on phones.)

* Call Montgomery State Trooper Post to have the Office of Radiation Control Duty Officer
* call the ODS

* Time State Call Initiated: _____ Trooper Name: _____

* Alabama Office of Radiation Control Duty Officer: _____

*Revision

(TIME/INITIALS)

___/___ 6.1.4 If event **has been terminated** refer to CECC-EPIP-2 and perform Sections 6.1.4 through of that procedure 6.1.10 for notification and receive further guidance from the EDO.

___/___ 6.1.5 If the event **has not been terminated**, activate Emergency Paging System. Monitor the Emergency Paging System screen. If any critical positions do not respond within 15 minutes or indicate they cannot respond, then use the REND or REP duty list to contact duty or backup staff for those positions. Appendix C will be used to document Fitness for Duty for positions contacted by telephone. Steps 6.1.6 through 6.1.26 of this procedure should be done in parallel with these actions as time permits.

-OR-

If Emergency Paging System is not operable, notify the following and have them report to the center (see the REPTRACK Duty List or REND). Initial attempts to fill critical positions should be performed before moving on to non-critical positions and steps 6.1.6 through 6.1.26 of this procedure. Appendix C will be used to document fitness for duty.

	Critical Positions
___/___	CECC EDO
___/___	CECC Director
___/___	Radiological Assessment Manager
___/___	Plant Assessment Manager
___/___	Dose Assessor
___/___	Plant Assessment Team Leader
___/___	Plant Assessment Coordinator
___/___	Nuclear Emergency Public Information Duty Officer

___/___ Environs Assessor
___/___ Management Services Supervisor
___/___ Resource Support Coordinator
___/___ Core Damage
___/___ Engineering Representative
___/___ Meteorologist
___/___ Communications Support Personnel (Telephones)
___/___ Computer Support Personnel
___/___ B. K. Marks

____/____ 6.1.6 If event has not been terminated, activate the ERDS system (not to exceed 1 hour after the declaration of the event). If the ERDS system fails to activate continue with the next step (6.1.7) of this procedure.

____/____ 6.1.7 Inform the Site Emergency Director that the respective state has been notified.

____/____ 6.1.8 Notify the CECC EDO.

____/____ 6.1.9 Notify COC Security (751-3783) and request that security be established and key card access be initiated.

If the ODS is located in the Power Business Center and conditions allow relocation to the CECC continue with step 6.1.10 of this procedure, if the ODS is located in the CECC or is not relocating to the CECC proceed to section 6.1.17 of this procedure.

____/____ 6.1.10 Transfer 751-1700 to the cellular phone.

____/____ 6.1.11 Notify TEMA (for SQN and WBN events) that the ODS will be in transit to the CECC and that all calls should be made to 423-751-1700 until further notice.

____/____ 6.1.12 Relocate to the CECC.

Upon arrival in the CECC perform the following:

____/____ 6.1.13 Follow up on any calls received during transit to the CECC.

____/____ 6.1.14 Place the "A-B" switches for the Paging, ERDS and Alarm Notification Systems to the "A" position.

____/____ 6.1.15 Transfer 751-1700 and the three site ringdown phones from the cellular phone back to the desktop phone.

____/____ 6.1.16 Notify TEMA (for SQN and WBN events) that the ODS is in the CECC and can now use the ringdown phone for communications.

____/____ 6.1.17 Notify J. E. Maddox (See REND Call-Out List-SNE).

____/____ 6.1.18 Notify J. A. Scalice (See REND Call-Out List-SNE).

____/____ 6.1.19 Notify the Load Coordinator of the condition (751-7547).

____/____ 6.1.20 Notify the TPS Transmission Dispatcher of the condition.
BFN: SW Dispatch 751-4203
SQN: SE Dispatch 751-4208
WBN: NE Dispatch 751-4204

____/____ 6.1.21 Upon receiving telecopy of the Site Emergency Director event form, verify the information recorded on Appendix A of this procedure is correct.

____/____ 6.1.22 Telecopy Appendix A of this procedure to the affected State.

AL. Office of Radiation Control	(334) 206-5387
TEMA	(615) 242-9635

____/____ 6.1.23 Verify that the telecopy to the State has been received (only during normal working hours for AL. Office of Radiation Control). Use programmed telephone number for the affected State.

____/____ 6.1.24 If the ERDS system failed to activate in step 6.1.6 of this procedure, notify the computer support duty officer and the NRC duty officer at telephone number (301) 816-5100.

____/____ 6.1.25 Refer to the form in Appendix B, log follow-up information, and provide to the appropriate State.

____/____ 6.1.26 Continue attempts to contact any critical or non-critical positions in section 6.1.5 of this procedure that have not responded.

APPENDIX A
Page 1 of 1

TVA INITIAL NOTIFICATION FORM FOR SITE AREA EMERGENCY

1. ☐ This is a Drill ☐ This is an Actual Event - Repeat - This is an Actual Event

2. This is _____,
TVA Operations Duty Specialist
at telephone number (423) 751-1700
☐ Browns Ferry
☐ Sequoyah
☐ Watts Bar
has declared a **SITE AREA EMERGENCY**

affecting: ☐ Unit 1 ☐ Unit 2 ☐ Unit 3 ☐ Common

3. **EAL Designator(s):** _____

4. **Brief Description of the Event:** _____

_____

_____

_____

_____

5. **Radiological Conditions:** (Check one under **both** Airborne and Liquid column.)

Airborne Releases Offsite	Liquid Releases Offsite
☐ Minor releases within federally approved limits[1]	☐ Minor releases within federally approved limits[1]
☐ Releases above federally approved limits[1]	☐ Releases above federally approved limits[1]
☐ Release information not known	☐ Release information not known
([1]Tech Specs)	([1]Tech Specs)

6. **Event Declared:** Time: _____ Date: _____

7. **Provide Protective Action Recommendation:** ☐ None

8. Please repeat the information you have received to ensure accuracy.

9. Time and Date this information was provided _____/_____

Action: When completed, telecopy this information.

Entire Page Revised

APPENDIX B Page 1of 1

FOLLOW-UP INFORMATION FORM SITE AREA EMERGENCY

1. "This is a Real Emergency. This is a Real Emergency." ☐
   or
   "This is a Drill. This is a Drill." ☐

2. Time _____

3. The following significant changes in Plant Conditions have occurred.

_____

_____

_____

_____

4. The following significant changes in Radiological Conditions have occurred._____

_____

_____

_____

_____

5. "Please repeat the information you have received to ensure accuracy."

6. Time information provided to State. _____

7. Name _____ Date _____

Note: When completed telecopy this Form to the State.

APPENDIX C Page 1 of 1

FITNESS FOR DUTY
PROGRAM ADMINISTRATION

TVA NUCLEAR
CALL-IN SHEET

Person Calling: _____ Date: _____

Name	Time Called	Time Needed to Report	Alcohol 5 Hrs. Prior to Report (Y/N)	Fit for Duty (Y/N)	Duty Official Comments

CECC EPIP Coversheet

Tennessee Valley Authority CENTRAL EMERGENCY CONTROL CENTER EMERGENCY PLAN IMPLEMENTING PROCEDURES	Title OPERATIONS DUTY SPECIALIST PROCEDURE FOR GENERAL EMERGENCY	CECC EPIP-5 REV. 35 Effective Date: 4/15/04

WRITTEN BY: Thomas E. Adkins (Signature) REVIEWED BY: C. David Bond (Signature) 4/2/2004 (Date)

PLAN EFFECTIVENESS DETERMINATION: Thomas E. Adkins (Signature) 3/31/04 (Date)

CONCURRENCES

Concurrence Signature	Date
☒ Manager, EP Program Planning and Implementation C. David Bond	4/2/2004
☒ Manager, Emergency Preparedness BK Marler	4/6/04
☒ Manager, Radiological and Chemistry Services Chandran	4/8/04
☐	

APPROVAL

APPROVED BY: [signature] (Signature) Vice President, E&TS (Title / Organization) 4/13/04 (Date)

CECC-EPIP-5
OPERATIONS DUTY SPECIALIST
PROCEDURE FOR GENERAL EMERGENCY

REVISION LOG

Rev. No.	Date	Revised Pages
0	3/22/88	All (Changed from IPD to EPIP)
1	7/8/88	App. B
2	11/18/88	App. B
3	4/26/89	All
4	7/13/89	App. A (pgs. 2, 3, 4), App. B
5	9/19/89	App. D (pg. 2)
6	10/26/89	3-5, App. A (1, 3-4), App. B, App. D, App. G-I
7	5/23/90	All (Formerly issued as EPIP-4)
8	5/21/91	Pages 2 & 3, App. A, Pgs. 1 & 2, App. B, Pgs. 1 & 2
9	5/31/91	Page 2 of 3; Appendix B, pages 1 and 2
10	12/12/91	Pages 1-3; App. A, pgs. 1-2; App. B, pgs. 1-2.
11	05/15/92	Page 2 revised; new coversheet & rev. log added. All pages issued.
12	12/23/92	All
13	01/25/93	Page 1, 4, add activation of ERDS system. All pages issued.
14	06/18/93	Pages 2 and 3; all pages issued.
15	03/17/94	Pages 1-4; all pages issued.
16	04/19/94	Pages 1-4; all pages issued.
17	06/24/94	Pages 1-4; all pages issued.
18	07/25/94	Page 2 (new Hamilton Co. telephone number). All pages issued.
19	2/17/95	Page 3 Name removal from notification list.
20	7/13/95	Page 4 change AL. area code. All pages issued.
21	3/20/96	Page 2 change to new telephone area code, page 3 change M. O. Medford to J. P. Maciejewski; all pages issued.
22	10/30/96	Remove references to SOS, add M. O. Medford to call list, rearrange order of call list, telephone number updates, add statement to clarify CECC security setup instructions. Procedure put in new format. All pages issued.

REVISION LOG (Continued)

Rev. No.	Date	Revised Pages
23	12/12/96	Page 3 remove M. O. Medford; Page 4 add O. J. Zeringue; All pages issued.
24	4/7/97	Annual review, update county emergency telephone numbers, correct typographical error in Appendix A. All pages issued.
25	7/16/97	Correct telephone number. Modify notification list. All pages issued.
26	9/24/98	Annual review. Update telephone area code and manual callout list. All pages issued.
27	11/13/00	Add section to cover ODS relocation, editorial changes.
28	3/30/01	Annual review. Revise initial State Notification Form. Update Morgan County after hours telephone number. All pages issued.
29	8/23/01	Updated telephone numbers and notification list. All pages issued.
30	6/13/02	Annual review. Add TPS notification, update notification list, add time to Initial State Notification Form, editorial changes. All pages issued.
31	7/24/02	Update notification list. Change Automated Paging System to Emergency Paging System. Change CECC Notification Board to REND. All pages issued.
32	9/3/02	Update organization names. Add Load Coordinator and TPS Transmission Dispatcher phone numbers.
33	10/30/02	Move the procedure step for the ODS to notify the SED of the State notification of the event to a point earlier in the procedure.
34	3/31/03	Annual review. New release terminology, Potassium Iodide recommendation, and identification of impacted sectors based on a range of wind directions added to Appendix A. All pages issued.
35	4/15/04	Annual review. Remove step that instructs the ODS to turn on recording equipment. All pages issued.

OPERATIONS DUTY SPECIALIST PROCEDURE FOR GENERAL EMERGENCY

1.0 PURPOSE

This procedure is designed to direct the ODS during a General Emergency to ensure consistent, accurate, and timely response in the event of an emergency.

2.0 SCOPE

This procedure covers the action of the ODS during a General Emergency. This procedure should not be used after the CECC has assumed responsibility for communications with the State under EPIP-1.

3.0 REFERENCES

Radiological Emergency Plan

4.0 ABBREVIATIONS AND DEFINITIONS

EDO - Emergency Duty Officer
EMA - Emergency Management Agency
ERDS - Emergency Response Data System
ODS - Operations Duty Specialist
CECC - Central Emergency Control Center

5.0 RESPONSIBILITIES

5.1 Upon notification by the Site Emergency Director that a General Emergency exists, the ODS is responsible for recording the preliminary report of information concerning the incident including the Protective Action Recommendation (PAR) on Appendix A.

*5.2 The ODS is responsible for notifying the appropriate state and local agencies, CECC EDO, Load Coordinator, TPS Transmission Dispatcher, and key CECC staff. The ODS is responsible for notifying technical support personnel as requested.

5.3 The ODS is responsible for recording any follow-up information on Appendix B and notifying the appropriate state.

6.0 PROCEDURE REQUIREMENTS

6.1 Action to be Taken for a General Emergency

The ODS performs the following tasks:

NOTE: When making notifications of an emergency situation, provide only the information contained on the attachment. Avoid any unnecessary explanation, interpretation, or elaboration of the information. Timeliness and accuracy is of the utmost importance.

*Revision

(TIME/INITIALS)

____/___ 6.1.1 Upon receiving a call from the Site Emergency Director:

* Enter the following information.

Current Date: _____
Current Time: _____

____/___ 6.1.2 Refer to the form in Appendix A for the affected plant and log information including the Protective Action Recommendation (PAR) to be provided to the local counties/State.

____/___ 6.1.3 Activate the emergency paging system. (If emergency paging system fails, go to 6.1.4.)

6.1.4 Make notification call to the appropriate counties (initiation of notifications not to exceed 15 minutes from the time of the declaration of the event):

Browns Ferry

Limestone County:	(256) 232-2631	Time: _____
(After hrs)	(256) 232-0111	
Morgan County	(256) 351-4620	Time: _____
(After hrs)	(256) 353-2515 opt 0	
Lawrence County	(256) 974-7641	Time: _____
(After hrs)	(256) 974-7911	
Lauderdale County	(256) 766-4201	Time: _____
(After hrs)	(256) 760-9117	

Sequoyah

Hamilton County	(423) 209-6900	Time: _____
(After hrs)	(423) 622-7777 or 622-0022	
Bradley County	(423) 476-0606	Time: _____
(After hrs)	(423) 476-7511	

Watts Bar

Rhea County	(423) 775-2505	Time: _____
(After hrs)	(423) 775-7828	
Meigs County	(423) 334-3211	Time: _____
(After hrs)	(423) 334-5268	
McMinn County	(423) 744-2715	Time: _____
(After hrs)	(423) 745-3140	

*Revision

(TIME/INITIALS)

6.1.5 Make notification call to the appropriate State.

Tennessee

* (Use the ringdown telephone as the primary means to contact TEMA. If this does not work,
* then use numbers programmed on phones.)

* Time State Call Initiated: _____

* TEMA Duty Officer: _____

Alabama

* DAYSHIFT
* (See numbers programmed on phones.)

* Time State Call Initiated: _____

* Alabama Office of Radiation Control Duty Officer: _____

* AFTER HOURS NOTIFY
* (See numbers programmed on phones.)

* Call Montgomery State Trooper Post to have the Office of Radiation Control Duty Officer
* call the ODS

* Time State Call Initiated: _____ Trooper Name: _____

* Alabama Office of Radiation Control Duty Officer: _____

6.1.6 Monitor the Emergency Paging System screen. If any critical positions do not respond within 15 minutes or indicate they cannot respond, then use the REPTRACK Duty List or REND to contact duty or backup staff for those positions. Appendix C will be used to document Fitness for Duty for positions contacted by telephone. Steps 6.1.7 through 6.1.27 of this procedure should be done in parallel with these actions as time permits.

Or

If the Emergency Paging System is not operable, notify the following and have them report to the CECC. (See REPTRACK Duty List or REND for names and phone numbers). Initial attempts to fill critical positions should be performed before moving on to non-critical positions and steps 6.1.7 through 6.1.27 of this procedure. Appendix C will be used to document fitness for duty.

Critical Positions	
____/____	CECC EDO
____/____	CECC Director
____/____	Radiological Assessment Manager
____/____	Plant Assessment Manager
____/____	Dose Assessor
____/____	Plant Assessment Team Leader
____/____	Plant Assessment Coordinator
____/____	Nuclear Emergency Public Information Duty Officer

*Revision

____/____ Environs Assessor
____/____ Management Services Supervisor
____/____ Resource Support Coordinator
____/____ Core Damage
____/____ Engineering Representative
____/____ Meteorologist
____/____ Communications Support Personnel (Telephones)
____/____ Computer Support Personnel
____/____ B. K. Marks

____/____ 6.1.7 Activate the ERDS system (not to exceed 1 hour after the declaration of the event). If the ERDS system fails to activate, continue with the next step (6.1.8) of this procedure.

____/____ 6.1.8 Inform the Site Emergency Director that the State and appropriate local Emergency Management Agencies have been notified.

____/____ 6.1.9 Notify the CECC EDO.

____/____ 6.1.10 Notify COC Security (751-3783) and request that security be established and key card access be initiated.

If the ODS is located in the Power Business Center and conditions allow relocation to the CECC continue with step 6.1.11 of this procedure, if the ODS is located in the CECC or is not relocating to the CECC proceed to section 6.1.18 of this procedure.

____/____ 6.1.11 Transfer 751-1700 to the cellular phone.

____/____ 6.1.12 Notify TEMA (for SQN and WBN events) that the ODS will be in transit to the CECC and that all calls should be made to 423-751-1700 until further notice.

____/____ 6.1.13 Relocate to the CECC.

Upon arrival in the CECC perform the following:

____/____ 6.1.14 Follow up on any calls received during transit to the CECC.

____/____ 6.1.15 Place the "A-B" switches for the Paging, ERDS and Alarm Notification Systems to the "A" position.

____/____ 6.1.16 Transfer 751-1700 and the three site ringdown phones from the cellular phone back to the desktop phone.

____/____ 6.1.17 Notify TEMA (for SQN and WBN events) that the ODS is in the CECC and can now use the ringdown phone for communications.

____/____ 6.1.18 Notify J. E. Maddox (See REND Call-Out List-SNE).

____/____ 6.1.19 Notify J. A. Scalice (See REND Call-Out List-SNE).

____/____ 6.1.20 Notify the Load Coordinator of the condition (751-7547).

____/___ 6.1.21 Notify the TPS Transmission Dispatcher of the condition.
BFN: SW Dispatch 751-4203
SQN: SE Dispatch 751-4208
WBN: NE Dispatch 751-4204

____/___ 6.1.22 Upon receiving telecopy of the Site Emergency Director event form, verify the information recorded on Appendix A of this procedure is correct.

____/___ 6.1.23 Telecopy the affected plant page of Appendix A of this procedure to the affected State.

AL Office of Radiological Control	(334) 206-5387
TEMA	(615) 242-9635

____/___ 6.1.24 Verify that the telecopy to the State has been received (only during normal working hours for AL Office Radiological Control). Use programmed telephone number for the affected State.

____/___ 6.1.25 If the ERDS system failed to activate in step 6.1.7 of this procedure, notify the computer support duty officer and the NRC duty officer at telephone number (301) 816-5100.

____/___ 6.1.26 Refer to the form in Appendix B, log follow-up information, and provide to the appropriate state.

____/___ 6.1.27 Continue attempts to contact any critical or non-critical positions in section 6.1.6 of this procedure that have not responded.

APPENDIX A Page 1 of 3 **BROWNS FERRY**

1. ☐ This is a Drill ☐ This is an Actual Event - Repeat - This is an Actual Event

2. This is _____, TVA Operations Duty Specialist at (423) 751-1700 **Browns Ferry has declared a** **GENERAL EMERGENCY**

affecting: ☐ Unit 1 ☐ Unit 2 ☐ Unit 3 ☐ Common

3. **EAL Designator(s):** _____

4. **Brief Description of the Event:** _____

_____

_____

5. **Radiological Conditions:** (Check one under **both** Airborne and Liquid column.)

Airborne Releases Offsite	Liquid Releases Offsite
☐ Minor releases within federally approved limits[1]	☐ Minor releases within federally approved limits[1]
☐ Releases above federally approved limits[1]	☐ Releases above federally approved limits[1]
☐ Release information not known	☐ Release information not known
([1]Tech Specs)	([1]Tech Specs)

6. **Event Declared:** Time: _____ Date: _____

*7. **The Meteorological Conditions are:** (Use 91 meter data from the Met Tower)

Wind Direction is FROM: _____degrees Wind Speed: _____ m.p.h

8. **Provide Protective Action Recommendation:** (Check either 1 or 2, and mark wind direction.)

☐ **Recommendation 1** ▶ EVACUATE LISTED SECTORS (2 mile Radius & 10 miles downwind) ▶ SHELTER all non-listed sectors. ▶ CONSIDER issuance of Potassium Iodide in accordance with the State Plan.	WIND FROM ° (Mark)	☐ **Recommendation 2** ▶ EVACUATE LISTED SECTORS (2 mile radius & 5 mile downwind) ▶ SHELTER all other non-listed sectors. ▶ CONSIDER issuance of Potassium Iodide in accordance with the State Plan.
A-2, B-2, F-2, G-2, E-5, -10, F-5, -10, G-5, -10	4 - 40	A-2, B-2, F-2, G-2, E-5, F-5, G-5
A-2, B-2, F-2, G-2, F-5, -10, G-5, -10, H-10	41- 73	A-2, B-2, F-2, G-2, F-5, G-5
A-2, B-2, F-2, G-2, G-5, -10, H-10, I-10	74 - 92	A-2, B-2, F-2, G-2, G-5
A-2, B-2, F-2, G-2, A-5, G-5, H-10, I-10, J-10, K-10	93 - 137	A-2, B-2, F-2, G-2, A-5, G-5,
A-2, B-2, F-2, G-2, A-5, -10, I-10, J-10, K-10	138 - 203	A-2, B-2, F-2, G-2, A-5
A-2, B-2, F-2, G-2, A-5, -10, B-5, -10,	204 - 282	A-2, B-2, F-2, G-2, A-5, B-5
A-2, B-2, F-2, G-2, B-5, -10, C-10, D-10, E-5, -10	283 - 326	A-2, B-2, F-2, G-2, B-5, E-5
A-2, B-2, F-2, G-2, C-10, D-10, E-5, -10, F-5, -10	327 - 3	A-2, B-2, F-2, G-2, E-5, F-5

9. Please repeat the information you have received to ensure accuracy.

10. Time and Date this information was provided _____/_____

Action: When completed, telecopy this information.

*Revision

APPENDIX A Page 2 of 3 **SEQUOYAH**

1. ☐ This is a Drill ☐ This is an Actual Event - Repeat - This is an Actual Event

2. This is _____, TVA Operations Duty Specialist at (423) 751-1700. Sequoyah has declared a **GENERAL EMERGENCY**

affecting: ☐ Unit 1 ☐ Unit 2 ☐ Both Unit 1 and Unit 2

3. **EAL Designator(s):** _____

4. **Brief Description of the Event:** _____

_____

_____

5. **Radiological Conditions:** (Check one under **both** Airborne and Liquid column.)

Airborne Releases Offsite	Liquid Releases Offsite
☐ Minor releases within federally approved limits[1]	☐ Minor releases within federally approved limits[1]
☐ Releases above federally approved limits[1]	☐ Releases above federally approved limits[1]
☐ Release information not known	☐ Release information not known
([1]Tech Specs)	([1]Tech Specs)

6. **Event Declared:** Time: _____ Date: _____

7. **The Meteorological Conditions are:** (Use 46 meter data from the Met Tower)

Wind Direction is FROM: _____degrees Wind Speed: _____ m.p.h

8. **Provide Protective Action Recommendation:** (Check either 1 or 2, and mark wind direction.)

☐ **Recommendation 1** ► EVACUATE LISTED SECTORS (2 mile Radius and 10 miles downwind) ► SHELTER all other non-listed sectors. ► CONSIDER issuance of Potassium Iodide in accordance with the State Plan.		WIND FROM [0] (Mark)		☐ **Recommendation 2** ► EVACUATE LISTED SECTORS (2 mile radius and 5 mile downwind) ► SHELTER all other non-listed sectors. ► CONSIDER issuance of Potassium Iodide in accordance with the State Plan.
A-1, B-1, C-1, D-1, C-2, -6, -7, -8, D-2, -3, -5, -6,		12 - 49		A-1, B-1, C-1, D-1, C-2, D-2
A-1, B-1, C-1, D-1, D-2, -3, -4, -5, -6		50 - 70		A-1, B-1, C-1, D-1, D-2
A-1, B-1, C-1, D-1, A-3, -4, D-2, -3, -4, -5		71 - 112		A-1, B-1, C-1, D-1, A-3, D-2
A-1, B-1, C-1, D-1, A-2, -3, -4, -5, -6, D-4,		113 - 146		A-1, B-1, C-1, D-1, A-2, A-3,
A-1, B-1, C-1, D-1, A-2, -3, -4, -5, -6, B-2,		147 - 173		A-1, B-1, C-1, D-1, A-2, A-3, B-2
A-1, B-1, C-1, D-1, A-2, -5, -6, B-2, -3, -4,		174 - 214		A-1, B-1, C-1, D-1, A-2, B-2,
A-1, B-1, C-1, D-1, B-2, -3, -4, -5, -6, -7, -8		215 - 258		A-1, B-1, C-1, D-1, B-2, B-5,
A-1, B-1, C-1, D-1, B-2, -3, -5, -6, -7, -8, C-2, -3, -4, -5, -6,		259 - 331		A-1, B-1, C-1, D-1, B-2, B-5, C-2
A-1, B-1, C-1, D-1, B-5, C-2, -3, -4, -5, -6, -7, -8		332 - 11		A-1, B-1, C-1, D-1, B-5, C-2

9. Please repeat the information you have received to ensure accuracy.

10. Time and Date this information was provided _____/_____

Action: When completed, telecopy this information.

APPENDIX A Page 3 of 3 **WATTS BAR**

1. ☐ This is a Drill ☐ This is an Actual Event - Repeat - This is an Actual Event

2. This is _____, TVA Operations Duty Specialist at (423) 751-1700 Watts Bar has declared a **GENERAL EMERGENCY**

affecting: ☐ Unit 1 ☐ Unit 2 ☐ Both Unit 1 and Unit 2

3. **EAL Designator(s):** _____

4. **Brief Description of the Event:** _____

_____

_____

5. **Radiological Conditions:** (Check one under **both** Airborne and Liquid column.)

Airborne Releases Offsite	Liquid Releases Offsite
☐ Minor releases within federally approved limits[1]	☐ Minor releases within federally approved limits[1]
☐ Releases above federally approved limits[1]	☐ Releases above federally approved limits[1]
☐ Release information not known	☐ Release information not known
([1]Tech Specs)	([1]Tech Specs)

6. **Event Declared:** Time: _____ Date: _____

7. **The Meteorological Conditions are:** (Use 46 meter data from the Met Tower)

Wind Direction is FROM: _____degrees Wind Speed: _____ m.p.h

8. **Provide Protective Action Recommendation:** (Check either 1 or 2, and mark wind direction.)

☐ **Recommendation 1** ▶ EVACUATE LISTED SECTORS (2 mile Radius and 10 miles downwind) ▶ SHELTER all other non-listed sectors. ▶ CONSIDER issuance of Potassium Iodide in accordance with the State Plan.		WIND FROM ^{0} (Mark)		☐ **Recommendation 2** ▶ EVACUATE LISTED SECTORS (2 mile radius and 5 mile downwind) ▶ SHELTER all other non-listed sectors. ▶ CONSIDER issuance of Potassium Iodide in accordance with the State Plan.
A-1, B-1, C-1, D-1, C-7, -9, D-2, -4, -5, -6, -7, -8, -9		26-68		A-1, B-1, C-1, D-1, C-7, D-2, -4, -5
A-1, B-1, C-1, D-1, A-3, -4, D-2, -3, -4, -5, -6, -7, -8, -9		69-110		A-1, B-1, C-1, D-1, A-3, D-2, -4, -5
A-1, B-1, C-1, D-1, A-2, -3, -4, -5, -6, -7, D-2, -3, -5, -6		111-170		A-1, B-1, C-1, D-1, A-2, -3, D-2, -5
A-1, B-1, C-1, D-1, A-2, -3, -5, -6, -7, B-2, -3, -4, -5, C-2		171-230		A-1, B-1, C-1, D-1, A-2, -3, B-2, -4, C-2
A-1, B-1, C-1, D-1, B-2, -3, -4, -5, C-2, -3,		231-270		A-1, B-1, C-1, D-1, B-2, -4, C-2
A-1, B-1, C-1, D-1, B-2, -3, C-2, -3, -4, -5, -6, -11		271-325		A-1, B-1, C-1, D-1, B-2, C-2, -4, -5,
A-1, B-1, C-1, D-1, C-2, -4, -5, -6, -7, -8, -9, -10, -11, D-4, -9		326-25		A-1, B-1, C-1, D-1, C-2, -4, -5, -7, -8, D-4

9. Please repeat the information you have received to ensure accuracy.

10. Time and Date this information was provided _____/_____

Action: When completed, telecopy this information.

APPENDIX B Page 1 of 1

FOLLOW-UP INFORMATION FORM GENERAL EMERGENCY

1. "This is a Real Emergency. This is a Real Emergency." ☐
   or
   "This is a Drill. This is a Drill." ☐

2. Time _____

3. The following significant changes in Plant Conditions have occurred.

_____

_____

_____

_____

4. The following significant changes in Radiological Conditions have occurred._____

_____

_____

_____

_____

5. The following changes to Protective Action Recommendations have occurred.

_____

_____

_____

6. "Please repeat the information you have received to ensure accuracy."

7. Time information provided to State. _____

8. Name _____ Date _____

Note: When completed telecopy this Form to the State.

APPENDIX C Page 1 of 1

FITNESS FOR DUTY
PROGRAM ADMINISTRATION

TVA NUCLEAR
CALL-IN SHEET

Person Calling: _____ Date: _____

Name	Time Called	Time Needed to Report	Alcohol 5 Hrs. Prior to Report (Y/N)	Fit for Duty (Y/N)	Duty Official Comments

CECC EPIP Coversheet

Tennessee Valley Authority CENTRAL EMERGENCY CONTROL CENTER EMERGENCY PLAN IMPLEMENTING PROCEDURES	Title EP FIELD SUPPORT STAFF RADIOLOGICAL EMERGENCY PROCEDURE	CECC EPIP-15 REV. 1 Effective Date: 4/15/04

WRITTEN BY: Thomas E. Adkins (Signature) REVIEWED BY: Wiard Pond (Signature) 3/31/04 (Date)

PLAN EFFECTIVENESS DETERMINATION: Thomas E Adkins (Signature) 3/31/04 (Date)

CONCURRENCES

Concurrence Signature	Date
☒ Manager, EP Program Planning and Implementation Wiard Pond	3/31/04
☒ Manager, Emergency Preparedness B K Marsh	4/6/04
☒ Manager, Radiological and Chemistry Services Chandram -	4/8/04
☐	

APPROVAL

APPROVED BY: [signature] (Signature) Vice President, E&TS (Title / Organization) 4/13/04 (Date)

CECC-EPIP-15
EP FIELD SUPPORT STAFF
RADIOLOGICAL EMERGENCY PROCEDURE

REVISION LOG

Rev. No.	Date	Revised Pages
0	10/17/02	Change from EPIP-12 to EPIP-15 to match site procedure line-up.
1	4/15/04	Annual review. Editorial changes, add addition equipment to Appendix A list. All pages issued.

EP FIELD SUPPORT STAFF RADIOLOGICAL EMERGENCY PROCEDURE

1.0 PURPOSE

This procedure is designed to direct the field support staff in support of the CECC in mitigating the effects of a radiological emergency at TVA nuclear plants on the resources of the Tennessee Valley region.

2.0 SCOPE

This procedure covers anticipated requirements of the field support staff in its support of the CECC during a radiological emergency at TVA nuclear plants. This procedure also covers actions that may be taken subsequent to an emergency.

3.0 REFERENCES

3.1 CECC EPIP-8

3.2 CECC EPIP-9

4.0 ABBREVIATIONS AND DEFINITIONS

CECC	-	Central Emergency Control Center
EA	-	Environs Assessment
Field Coordinator	-	The member of the CECC staff responsible for directing the near site emergency radiological monitoring personnel in accordance with the directions issued by EA. (TVAN personnel)
REND	-	Radiological Emergency Notification Directory
TVAN	-	TVA Nuclear

5.0 RESPONSIBILITIES

5.1 Upon notification from the CECC Director or his designee that an emergency condition exists and the CECC is being staffed, the EA is responsible for the following:

5.1.1 Providing technical advice on matters related to the collection of water samples.

5.1.2 Activating a EP Field Support Staff Leader or placing on standby in accordance with TVAN's Fitness For Duty Program (Fitness For Duty form provided in Appendix B). Personnel shall be contacted from those listed in the REND.

5.2 Upon notification from the EA that an emergency condition exists, the EP Field Support Staff Leader is responsible for the following:

5.2.1 Recruiting a field team from personnel listed in the REND and securing the necessary equipment and making sure it is ready for use.

5.2.2 Directing the field team once it is in the field as directed by the Field Coordinator or Environs Assessor depending on the level of facility activation.

5.2.3 Ensuring that the field team works safely and is properly protected from hazards, radiological or other.

6.0 PROCEDURAL REQUIREMENTS

6.1 Environs Assessor

6.1.1 Upon arrival at the CECC, the EA contacts the EP Field Support Staff Leader, informs them of the status of the emergency, and directs the EP Field Support Staff Leader to report for duty or to stand by depending on the situation.

6.1.2 Activation of an EP Field Support Staff for Browns Ferry, Sequoyah, and Watts Bar Nuclear Plants, shall be accomplished by calling the telephone number of the appropriate personnel listed in the REND.

6.2.3 Records pertinent information in the EA log book.

6.2.4 Schedules and notifies emergency personnel required to provide field teams on a 24-hour basis for sampling and other support as needed.

6.2.5 Keeps fully informed of the events related to the emergency and relays pertinent information to personnel (i.e., EP Field Support Staff Leader) on standby.

6.2 EP Field Support Staff

6.2.1 Upon notification to report for duty, the EP Field Support Staff Leader will report to the applicable Field Office as soon as possible and advise the EA upon arrival.

* 6.2.2 Ensure that personnel, boats, vehicles, safety equipment, maps, and other equipment are ready for use. Collects and loads appropriate equipment listed in Appendix A.

6.2.3 Advise the EA when all equipment and manpower are ready.

6.2.4 As directed by the EA, report to the Field Coordinator located at the Radiological Monitoring Control Center.

6.2.5 As directed by the EA/FC, collects samples of raw and finished water at public water supplies and from surface waters (streams and reservoirs) in accordance with the procedures specified in Section 3.0 and delivers them for analyses according to instructions received from the Field Coordinator. Communications are maintained at all times between the field team and the EA. Sampling frequencies and locations will be determined by EA.

6.2.6 CECC-EPIP-8 lists the public and industrial surface water supplies for 50 miles downstream of Sequoyah, Watts Bar, and Browns Ferry Nuclear Plants.

6.2.7 Personnel assigned to collect samples will establish radio or telephone communications with the EA. If personnel are unable to maintain radio contact, they will immediately leave the area and go to a location where radio or telephone contact can be established in order to receive further instructions.

*Revision

6.2.8 If there is the possibility of radioactive air release while personnel are in the field, the EA shall evaluate the need to assign RADCON support with proper monitoring equipment to accompany the field crew while in the plume.

7.0 SAFETY

Safety is the most important consideration in emergency response. Personnel are cautioned to exercise great care in approaching and working near any areas which are suspected of having been (or could become) exposed to radiological contamination or radiation.

7.1 The EA will ensure that EP Field Support Staff are briefed on the following:

7.1.1 The potential radiation hazards involved before they are asked to enter a potentially contaminated area.

7.1.2 The possible need for decontamination following completion of sampling in a potentially contaminated area. Decontamination will be performed, as necessary, by qualified RADCON personnel.

7.2 The type of release(s) which occur during a radiological emergency (i.e., water, air, water and air) will determine what type of protective equipment is required by field personnel. The Field Coordinator will consult with EA to obtain the needed determinations. If there is the possibility of radioactive exposure to personnel, a RADCON Tech. with proper monitoring may be assigned to accompany personnel. Appendix A contains a listing of safety equipment which may be required for use during a radiological emergency. The equipment is stored at each EP Field Support Staff offices.

8.0 OPERATIONAL READINESS

8.1 The equipment inspections will be conducted each calendar quarter and after use and documented on Appendix A.

9.0 RECORDS

9.1 The EA maintains a chronological log of activities which occur during a radiological emergency.

9.1.1 The log book includes such information as telephone conversations (and parties involved), requests received and/or made (and from and/or to whom), decisions made (and by whom), status information received and/or transmitted (and from and/or to whom), and manpower assignments made including initial notifications and shift changes.

APPENDIX A Page 1 of 1

RADIOLOGICAL EMERGENCY RESPONSE EQUIPMENT LIST

☐ Browns Ferry ☐ Sequoyah ☐ Watts Bar

Browns Ferry, Sequoyah, and Watts Bar Nuclear Plants - Special Radiological Emergency Equipment
(Any equipment that shows signs of degraded condition should be replaced)

1. **Water Sampling Equipment (BFN and SQN Locations)**

___ 10 - eight-liter plastic pails

___ 100 - one-gallon cubitainers
* ___ 24 - Radioactive Material Tags
* ___ 2 - flashlights (operational check)
___ 2 - 100-feet of rope
___ 2 - sets of Tennessee River navigation charts for area reservoirs
___ 2 - plastic zip-lock bags containing field sheets, marking pens, and sample tags
___ 2 - EP maps for the plants involved (2 mile, 10 mile and 50 mil). Confirm revision levels in CECC EPIP-9.
___ 4 - pairs of water proof gloves
* ___ 1 - GPS Unit

2. **Radiological Control Equipment (BFN, SQN, and WBN Locations)**

___ 2 - Radios with EP radio frequency (operational check).
___ 4 - Packages of potassium iodide tablets. Expiration date _____ .
___ 6 - TLD Badges. Expiration date _____ .
___ 6 - 0-200 millirem pocket dosimeters: (re-zero)
___ 1 - Dosimeter charger (operational check).

3. Other field support equipment such as trucks, boats, water quality instrumentation, rainsuits, and lifejackets are available from general supplies and can be made available at any time upon request.

Inspected by: _____ Date: _____

Supervisory Review: _____ Date: _____

Forward a completed copy to Al Salatka, Emergency Preparedness, LP 6B-C.

*Revision

APPENDIX B Page 1 of 1
FITNESS FOR DUTY
PROGRAM ADMINISTRATION
ENVIRONMENTAL RESEARCH AND SERVICES
CALL-IN SHEET

Person Calling: _____ Date: _____

Name	Time Called	Time Needed to Report	Alcohol 5 Hrs. Prior to Report (Y/N)	Fit for Duty (Y/N)	Duty Official Comments

CECC EPIP Coversheet

Tennessee Valley Authority CENTRAL EMERGENCY CONTROL CENTER EMERGENCY PLAN IMPLEMENTING PROCEDURES	Title TERMINATION AND RECOVERY	CECC EPIP-16 REV. 1 Effective Date: 4/15/04

WRITTEN BY: Thomas E. Adkins (Signature) REVIEWED BY: [signature] (Signature) 3/31/04 (Date)

PLAN EFFECTIVENESS DETERMINATION: Thomas E. Adkins (Signature) 3/31/04 (Date)

CONCURRENCES

Concurrence Signature	Date
☒ Manager, EP Program Planning and Implementation David Reed	3/31/2004
☒ Manager, Emergency Preparedness BK Marks	4/6/04
☒ Manager, Radiological and Chemistry Services Chandran	4/8/04
☐	

APPROVAL

APPROVED BY: [signature] (Signature) VP Eng & Tech Svcs (Title / Organization) 4/13/04 (Date)

CECC-EPIP-16

TERMINATION AND RECOVERY

REVISION LOG

Rev. No.	Date	Revised Pages
0	10/28/03	Change from CECC-EPIP-13 to CECC-EPIP-16 for consistency between sites procedures.
1	4/15/04	Annual review. Revise EPIP number. All pages issued.

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1.0 PURPOSE

This procedure provides guidance on termination and recovery from an incident for which onsite and offsite emergency centers were activated by the Site Emergency Director and transition from the Emergency Response Organization to the Recovery organization if necessary.

Termination begins when personnel responsible for the response effort determine that conditions are sufficiently stabilized to begin comparing them to pre-established decisional criteria. The termination decision and subsequent notification that an event no longer constitutes an Operational Emergency establishes the beginning of recovery.

Recovery is defined as those actions taken, after a plant has been brought to a stable or shutdown condition, to return the plant to normal operation. Recovery will begin when the emergency response is declared terminated. The level of recovery operations depends on the severity of the event. The recovery phase may be implemented in a graded approach from one of no recovery actions necessary to a fully implemented course of actions. When implemented, the recovery phase continues until the plant and any affected areas meet predetermined criteria for the resumption of normal operation or use.

Types of activities conducted during the recovery phase may include (but are not limited to):

- Damage assessment
- Environmental consequence assessment
- Long-term protective action determinations
- Plant and/or environmental restoration
- Dissemination of information

2.0 SCOPE

This procedure applies to the termination of a REP event which required activation of onsite and offsite emergency centers and actions for reentry and recovery activities required to restore the plant to normal operating condition and to provide assistance to state and local organizations.

3.0 RESPONSIBILITIES

3.1 The Senior Vice President, Nuclear Operations, or his designee will direct the overall recovery effort. If expected to be a long-term process, he may establish a recovery organization to be responsible for continuous direction and control of the recovery operation. This organizational structure would be contingent upon the emergency situation and required actions for recovery. Staffing of the CECC may remain in whole or in part as necessary. The LRC is also available to provide additional office space near the site to support the recovery operation.

3.2 The CECC Director is responsible for coordinating with the Site Emergency Director, NRC, and appropriate offsite agencies in determining when to enter the recovery phase. Once that decision has been made, the CECC Director will notify the Senior Vice President, Nuclear Operations, or his designee.

If the event was associated with an emergency off-site either natural or manmade which impacted the off-site (State and local) emergency response, the NRC regional administrator will inform the affected license when the condition of the off-site emergency preparedness infrastructure can support a safe reactor restart. NRC Administrative Letter 97-03 which provides information for plant restart discussions following natural disasters is provided as Appendix C.

3.3 The CECC Public Information Manager (PIM) acts as an interface between TVA and the news media. The PIM assists the Senior Vice President, Nuclear Operations, CECC Director, or their designees with:

- drafting news releases concerning progress of the recovery operation
- coordinating all news releases with TVA management and State and Federal officials as required.
- coordinating all press briefings and interviews concerning the incident.

3.4 Radiological Assessment Manager (RAM) provides radiological support as necessary.

3.5 The Vice President, Engineering and Technical Services, will provide required technical support to the site.

3.6 The Manager, Nuclear Fuels, will provide needed technical services to the site. Technical services available include fuel management and core analysis, core performance, nuclear fuel control and accountability, and startup support.

4.0 PROCEDURES

4.1 Termination

The decision to terminate an incident for which onsite and offsite emergency centers have been activated will be made by the Site Emergency Director after consultation with the plant technical and operations staffs and coordinated with the CECC Director. Proposals for termination of an emergency and entry into recovery will be coordinated with the State and NRC, if appropriate, through the CECC. Termination decisions should be based on site-specific EPIP-16 criteria and broad-based parameters such as:

* • Radiation or hazardous material exposure levels within the affected plant or area(s) are stable or decreasing with time.

* • The affected plant is in a stable condition, and there is a high probability that it can be maintained in that condition.

* • Releases of hazardous material to the environment have ceased or are controlled within permissible regulatory limits, and the potential for an uncontrolled release is low.

* • All emergency notifications have been completed.

* • The Site Emergency Director and CECC Director in consultation with the NRC and appropriate offsite agencies do not identify a valid reason to continue operating in the emergency response mode.

* • Initial recovery activities have been clearly identified and prioritized.

* • When applicable, a recovery staffing plan has been developed, approved and can be implemented.

*Revision

4.2 Recovery Operations

Recovery planning and implementation will start with assessment of plant, site, and environmental conditions. There are three general areas of recovery operations: accident assessment and investigation, recovery planning and scheduling, and repair and restoration.

4.2.1 Accident Assessment and Investigation

The following type of activities should be considered for accident assessment and investigation:

- Plant management in coordination with TVAN Corporate management, should establish an investigation board to determine the root cause of the event and prepare a formal accident report.
- All documents generated during the emergency response and useful to the accident investigation should be collected and organized.
- Plant technical, operations, and maintenance staffs should assess the condition of the plant including structural integrity, equipment status, hazardous material containment/confinement barriers, and safety systems.
- Provide support, when requested, to federal, state, and local government agencies for assistance with offsite dose assessment and related activities.

4.2.2 Recovery Planning and Scheduling

The following type of activities should be considered for recovery planning and scheduling:

- Notification to persons and agencies involved in the emergency response of the establishment of the Recovery Organization and the name of the person in charge.
- Evaluation of emergency plans to determine if adequate emergency preparedness status can be maintained during degraded plant conditions (e.g., inaccessibility of assembly areas, inoperative emergency/safety instrumentation and equipment, etc.)
- Establishment of specific criteria to be met prior to the resumption of normal operations or facility use.
- Contact with the affected State to coordinate any support required for assessment and recovery of affected offsite areas.
- Preparation of plans for the establishment of safe long-term conditions when the assessment indicates that a plant or affected area cannot be safely returned to normal operation or use.

- Identification of required repair and restoration work based on the assessment results.
- Plan for the proper handling and disposal of all hazardous waste generated during recovery activities.
- Establishment of a tracking organization to monitor all assigned tasks, including developing work packages, scheduling activities, and estimating costs.
- Formation of a procedures review group to determine if specialized procedures are required and should be developed and to review and approve all special procedures.
- Continued evaluation of site or facility hazards and contamination levels during estimating exposure to workers.

4.2.3 Repair and Restoration Activities

The following type of activities should be considered for repair and restoration activities:

- Ensure that occupation exposure limits are followed in accordance with SPP-5.1, *Radiological Controls*.
- Ensure that any discharges form recovery activities are controlled within regulatory and environmental compliance limits. If discharges are necessary beyond these limits, ensure all documentation is prepared, approvals obtained, and notifications made.
- Conduct recovery activities through normal work organizations, practices, limitations, and procedures to the extent practical.
- Replenish, repair, or replace any emergency equipment or consumable materials used during the emergency response.
- Train applicable personnel on changes that occurred as a result of repair, restoration, and accident investigation.

5.0 LOCAL RECOVERY CENTER (LRC)

5.1 The purpose of the LRC is to provide a nearsite facility for TVA recovery management as well as NRC emergency response personnel and other emergency and/or recovery personnel.

5.2 The LRC provides adequate space for TVA and others who may locate there to support the site should additional office space near the site become necessary during the recovery phase.

5.3 The LRC will provide space for NRC personnel. Adequate supplies, communications, and data necessary for them to carry out appropriate functions is available.

6.0 ENVIRONMENTAL SAMPLE COLLECTION AND ANALYSIS

6.1 The TVA emergency field monitoring vans will be used to collect appropriate samples. This sample collection will be coordinated with the State. Samples will be divided and delivered to the State and the appropriate TVA laboratory.

6.2 Western Area Radiological Laboratory (WARL) will perform (or coordinate performance by approved testing facilities) environmental sample analysis. Information concerning the samples will be provided to the State and the RAM.

7.0 REFERENCES

NP Radiological Emergency Plan
NRC Administrative Letter 97-03
CECC EPIP

8.0 ABBREVIATIONS

WARL - Western Area Radiological Laboratory.
NP - Nuclear Power.
LRC - Local Recovery Center.
CECC - Central Emergency Control Center.
SED - Site Emergency Director.

APPENDIX A Page 1 of 3

CECC DIRECTOR'S TERMINATION CHECKLIST

	Check box when action complete	Action	Concurrence
1	☐	• Radiation or hazardous material exposure levels within the affect plant or area(s) are stable or decreasing with time. ☐ YES ☐ NO	PAM: RAM: CECC Dir.: Date: Time:
2	☐	• The affected plant is in a stable condition, and is there a high probability that it can be maintained in that condition (site-specific EPIP-16 criteria verified by CECC Plant Assessment and Radiological Assessment staffs). ☐ YES ☐ NO	PAM: RAM: CECC Dir.: Date: Time:
3	☐	• Releases of hazardous material to the environment have ceased or are controlled within permissible regulatory limits, and the potential for an uncontrolled is release low. ☐ YES ☐ NO	PAM: RAM: CECC Dir.: Date: Time:
4		• All emergency notifications have been completed. ☐ YES ☐ NO	CECC Dir.: Date: Time:
5		• The Site Emergency Director and CECC Director, in consultation with the NRC and appropriate offsite agencies agree that no valid reason exists to continue operating in the emergency response mode. ☐ YES ☐ NO	CECC Dir.: Date: Time:

APPENDIX A Page 2 of 3

CECC DIRECTOR'S TERMINATION CHECKLIST

	Check box when action complete	Action	Concurrence
6	☐	• * Document event termination on CECC EPIP-16, Appendix A, page 3 of 3 and make appropriate notifications to the affected state. ☐ YES ☐ NO	CECC Dir.: Date: Time:
7	☐	• The Senior Vice President, Nuclear Operations has been notified of event termination. ☐ YES ☐ NO **Stop here if no recovery actions are necessary.** If recovery operations are necessary, continue with Steps 9 & 10 and continue * to CECC EPIP-16, Appendix B.	CECC Dir.: Date: Time:
9	☐	• If applicable, Initial recovery activities have been clearly identified and prioritized. ☐ YES ☐ NO	PAM: RAM: CECC Dir.: Date: Time:
10	☐	• If applicable, a recovery staffing plan has been developed, approved, and can be implemented. ☐ YES ☐ NO	PAM: RAM: CECC Dir.: Date: Time:

*Revision

APPENDIX A Page 3 of 3

CECC DIRECTOR'S TERMINATION CHECKLIST

EVENT TERMINATION:

The: ☐ NOUE ☐ ALERT ☐ SITE AREA EMERGENCY ☐ GENERAL EMERGENCY

Affecting: BFN U2 ☐, U3 ☐ SQN U1 ☐, U2 ☐ WBN U1 ☐

EAL Designator: _____

HAS BEEN TERMINATED

Event Termination Time: _____ Date: _____

Call affected State and provide this information

State Notification Time: _____ Date: _____

CECC Director: _____

APPENDIX B Page 1 of 1

CECC DIRECTOR'S RECOVERY CHECKLIST

	Check box when action complete	Action	Concurrence
1	☐	The recovery organization has been established. ☐ YES ☐ NO	CECC Dir.: Date: Time:
2	☐	Accident Assessment and Investigation activities have been considered and implemented as determined, based on the severity of the event, including the collection and organization of all documents generated during the emergency response. ☐ YES ☐ NO	CECC Dir.: Date: Time:
3	☐	The affected state agency has been contacted to coordinate any support required for assessment and recovery of affected offsite areas. ☐ YES ☐ NO	CECC Dir.: Date: Time:
4	☐	Appropriate Recovery Planning and Scheduling activities have been considered and implemented as determined, based on the severity of the event. ☐ YES ☐ NO	CECC Dir.: Date: Time:
5	☐	The NRC has been contacted as applicable to NRC Administrative Letter 97-03. Refer to Appendix C. ☐ YES ☐ NO	CECC Dir.: Date: Time:

APPENDIX C
NRC ADMINISTRATIVE LETTER 97-03
Page 1 of 4

UNITED STATES
NUCLEAR REGULATORY COMMISSION
OFFICE OF NUCLEAR REACTOR REGULATION
WASHINGTON, D.C. 20555-0001

March 28, 1997

NRC ADMINISTRATIVE LETTER 97-03: PLANT RESTART DISCUSSIONS FOLLOWING NATURAL DISASTERS

Addressees

All holders of operating licenses or construction permits for nuclear power reactors.

Purpose

The U.S. Nuclear Regulatory Commission (NRC) is issuing this administrative letter to inform addressees about a recently adopted internal practice. This practice involves coordinating the assessment of offsite recovery and onsite restart activities following a natural disaster (hurricane, tornado, flood, storm, earthquake, etc.) where offsite damage may be substantial or undetermined. This administrative letter does not transmit or imply any new or changed requirements or staff positions. No specific action or written response is required.

Background

Numerous events have occurred in recent years in which natural disasters have affected power reactor facilities. Most notable of these is Hurricane Andrew and its impact on the Turkey Point Station. The licensee for the Turkey Point plant shut the reactors down in anticipation of the storm. Onsite damage from the hurricane was extensive. After that event, the licensee repaired the damage and was ready to restart the plant before the offsite emergency preparedness infrastructure was ready to support the restart. An assessment of offsite conditions and infrastructure prior to restart was necessary to assure emergency preparedness in the event of a subsequent reactor accident.

Events have also occurred in which plants have shut down in anticipation of hurricane damage, which turned out to be minimal. Despite the absence of onsite damage, either some offsite damage occurred that affected the state of offsite emergency preparedness, or some damage occurred offsite such that the state of offsite emergency preparedness could not be determined immediately. For these cases, the NRC coordinated with the Federal Emergency Management Agency (FEMA) and the licensees involved to ensure that the restarts occurred after the offsite emergency preparedness infrastructure could safely support them.

APPENDIX C
NRC ADMINISTRATIVE LETTER 97-03
Page 2 of 4

Discussion

Although the overall responsibility for confirming the adequacy of radiological emergency preparedness of commercial nuclear power plants is vested with the NRC, it relies on FEMA's assessment of offsite emergency planning and response activities when carrying out this responsibility.

Section III of the Memorandum of Understanding (MOU) Between FEMA and the NRC, dated June 17, 1993, lists responsibilities for both agencies for cooperating in the recovery from a disaster that affects the offsite emergency preparedness infrastructure surrounding power reactors. FEMA's headquarters (HQ) in Washington, D.C., is responsible for providing findings and determinations to the NRC concerning the adequacy of offsite preparedness in the areas surrounding power reactor sites following a severe natural event. FEMA HQ bases its assessment on information from State and local governmental authorities, as well as from the affected FEMA regional office and the NRC.

In two recent instances (Hurricane Bertha, July 1996 and Hurricane Fran, September 1996), FEMA HQ chartered special evaluation teams to assess whether the offsite emergency preparedness infrastructure could support the restart of plants that had shut down in anticipation of hurricanes that affected the sites. These teams consisted of FEMA and NRC regional representatives, State and local emergency management representatives, and, in a limited capacity, power reactor licensee personnel. These teams provided assessments to FEMA HQ for its ultimate determinations that offsite emergency preparedness could support plant restart in both cases. The chartering of these special evaluation teams helped ensure a timely assessment of the condition of the offsite infrastructure and was based on experience gained with Hurricane Opal (October 1995) and the Quad Cities tornado (May 1996).

In some cases, a natural disaster may occur where onsite damage is minimal, but offsite damage may be substantial or undetermined. In these cases, the plant may be ready to start up shortly after the event. Communications in these cases between the licensee and NRC, the NRC and FEMA, and FEMA and offsite officials will be aggressive; however, stringent protocols will be observed to ensure that FEMA and the NRC operate within the guidelines of the MOU.

The NRC uses FEMA's determinations to inform power reactor licensees when the condition of the offsite emergency preparedness infrastructure can support a reactor restart. The Office of Nuclear Reactor Regulation (NRR), as well as NRC regional offices, have adopted a communication protocol that links key personnel in the two agencies and the affected licensee organization. An overview of this protocol is attached. Some of the key points of this protocol are:

1. NRC regional office personnel maintain close contact with the affected power reactor licensee to determine the state of onsite emergency preparedness and the plans for restart. The NRC regional office communicates this information rapidly to NRR.

APPENDIX C
NRC ADMINISTRATIVE LETTER 97-03
Page 3 of 4

2. FEMA regional office personnel maintain close contact with their evaluators in the field, the affected State and local emergency management officials, and the affected NRC regional office to determine the state of offsite emergency preparedness. The FEMA regional office communicates this information rapidly to FEMA HQ.

3. The final assessment that offsite emergency preparedness can support a power reactor restart originates from FEMA HQ.

4. A single individual in NRR serves as the point of contact with FEMA HQ to receive this assessment. The individual communicates this information rapidly to NRR management and the cognizant NRC regional office.

5. After the assessment from FEMA is received and discussed with NRR management, the NRC regional administrator informs the affected licensee that the condition of the offsite emergency preparedness infrastructure can support a safe reactor restart.

The NRC has developed this protocol as a result of discussions with FEMA, as well as lessons learned from Hurricane Andrew and other events. The objective of this protocol is to ensure that aggressive and rapid information flow occurs between the involved organizations following natural disasters at power reactors. The NRC expects that the use of this protocol will ensure that the determination that the condition of the offsite emergency preparedness infrastructure can support a reactor restart will be made before the licensee is actually ready to restart the reactor plant(s). In the event that the determination is not made before the licensee is ready to restart the plant(s), the NRC will evaluate the need to delay the restart through the issuance of an order or confirmatory action letter. By accomplishing this protocol, the licensee, FEMA, and NRC can provide for safe and rapid restarts of power reactors in the wake of these disasters and assure that the offsite emergency preparedness infrastructure can function as expected if called upon in an emergency.

This administrative letter requires no specific action or written response. If you have any questions about this letter, please contact the contact listed below or the appropriate Office of Nuclear Reactor Regulation (NRR) project manager.

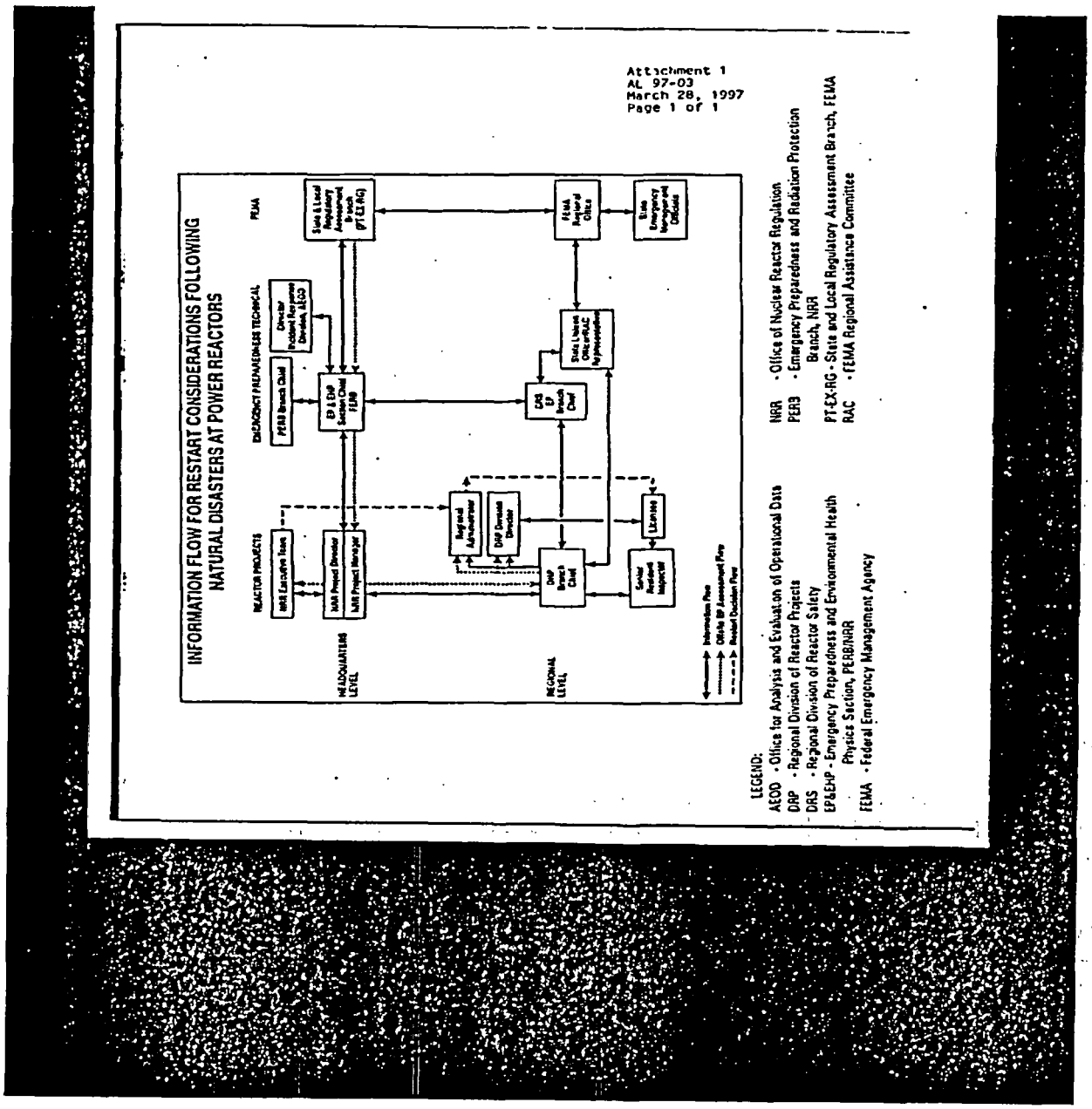
signed by

Thomas T. Martin, Director
Division of Reactor Program Management
Office of Nuclear Reactor Regulation

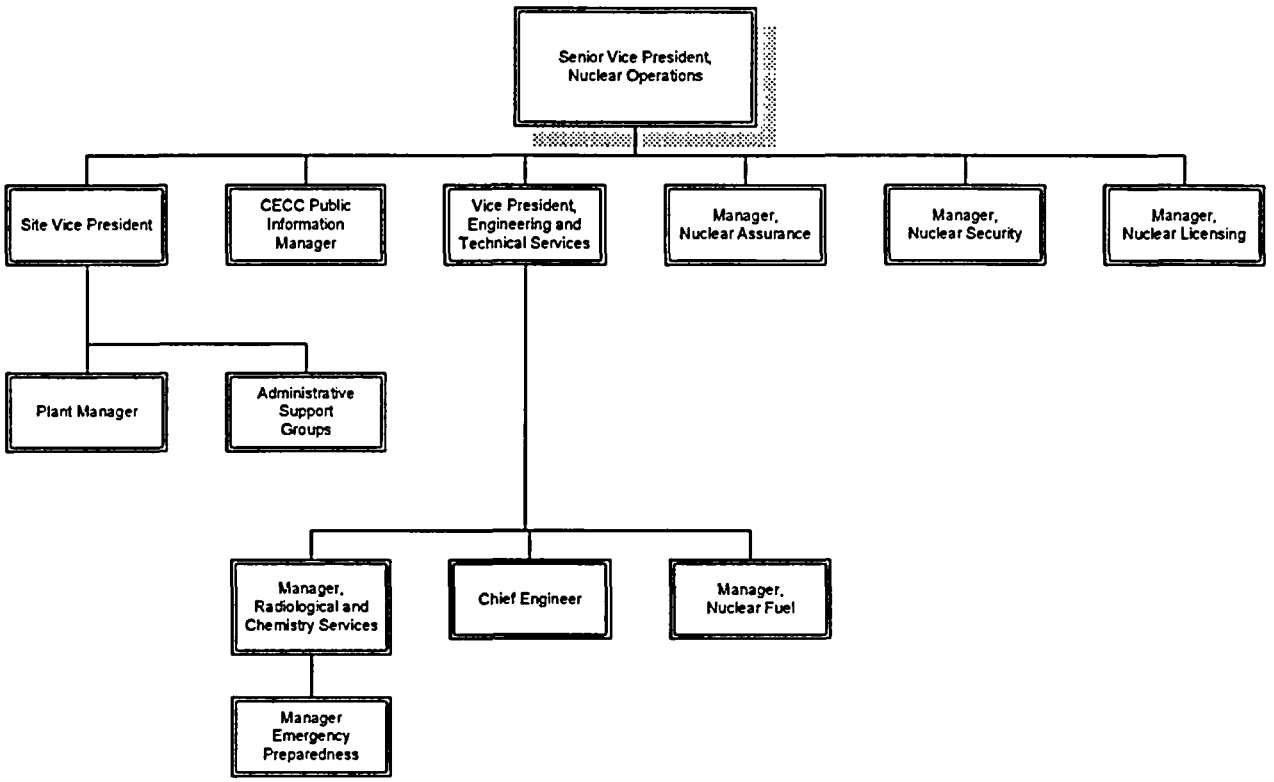
Contact: W. Maier, NRR
(301) 415-2926
E-mail: wam@nrc.gov

Attachments:
1. Information Flow for Restart Considerations
Following Natural Disasters at Power Reactors

APPENDIX C
NRC ADMINISTRATIVE LETTER 97-03
Page 4 of 4



APPENDIX D Page 1 of 1
RECOVERY ORGANIZATION



CECC EPIP Coversheet

Tennessee Valley Authority CENTRAL EMERGENCY CONTROL CENTER EMERGENCY PLAN IMPLEMENTING PROCEDURES	Title OPERATIONS DUTY SPECIALIST TRANSPORTATION INCIDENTS INVOLVING A SHIPMENT OF RADIOACTIVE MATERIALS	CECC EPIP-22 REV. 20 Effective Date: 4/15/04

WRITTEN BY: Thomas E Adkins (Signature) REVIEWED BY: Richard Ford (Signature) 3/31/04 (Date)

PLAN EFFECTIVENESS DETERMINATION: Thomas E Adkins (Signature) 2/26/04 (Date)

CONCURRENCES

Concurrence Signature	Date
☒ Manager, EP Program Planning and Implementation Richard Ford	3/31/04
☒ Manager, Emergency Preparedness B K Marble	4/6/04
☒ Manager, Radiological and Chemistry Services Chandhan	4/8/04
☐	

APPROVAL

APPROVED BY: [signature] (Signature) Vice President, E&TS (Title / Organization) 4/13/04 (Date)

CECC-EPIP-22
OPERATIONS DUTY SPECIALIST
TRANSPORTATION INCIDENTS INVOLVING A SHIPMENT OF
RADIOACTIVE MATERIALS

REVISION LOG

Rev. No.	Date	Revised Pages
0	3/22/88	All (Formerly IP-20; changed from IPD to EPIP)
1	4/27/88	2
2	11/18/88	2
3	4/26/89	All
4	10/26/89	2, App. A
5	5/21/91	1, 2
6	5/15/92	Pg. 2 revised. New coversheet and rev. log added. All pages issued.
7	02/09/93	Pgs. 1 & 2; Appendix A, pg. 1; Appendix B, Pgs. 1-3; all pages issued.
8	06/24/94	All
9	6/27/95	Page 2 notification list changes.
10	1/3/96	Procedure issued in new format which includes, in some cases, altering of the order of statements, editorial changes, and addition of boxes and shading to highlight statements. Changed accident to incident in title and through the procedure. Added step in Att. A checklist to get brief description of the event. Changed appendices to attachments. Added WBN phone numbers. All pages issued.
11	3/20/96	Page 2 change M. O. Medford to J. P. Maciejewski
12	10/30/96	Page 2 add M. O. Medford, change Shift Operations Supervisor to Shift Manager, add notification of Plant Assessment Manager. All pages issued.
13	12/12/96	Page 2 change M. O. Medford to O. J. Zeringue; All pages issued.
14	7/16/97	Modify notification list. All pages issued.
15	5/20/99	Annual review. Revise notification list. All pages issued.

CECC-EPIP-22
OPERATIONS DUTY SPECIALIST
TRANSPORTATION INCIDENTS INVOLVING A SHIPMENT OF
RADIOACTIVE MATERIALS

REVISION LOG (Continued)

Rev. No.	Date	Revised Pages
16	7/10/00	Annual review and self-assessment items. All pages issued.
17	8/23/01	Revise notification list and telephone number. All pages issued.
18	6/13/02	Annual review. Update notification list, update telephone numbers. All pages issued.
19	7/24/02	Update notification list and made terminology changes. All pages issued.
20	4/15/04	Annual review. Editorial changes. All pages issued.

OPERATIONS DUTY SPECIALIST TRANSPORTATION ACCIDENT INVOLVING A SHIPMENT OF RADIOACTIVE MATERIALS

1.0 PURPOSE

This procedure is designed to direct the ODS in obtaining and providing immediate information in the event of a transportation incident involving a shipment of TVA radioactive materials. A transportation incident includes vehicle accidents, leaking containers, or other abnormal situations that could attract public attention or require assistance. This procedure is also
* designed to ensure that all appropriate notifications are made.
*

2.0 SCOPE

This procedure covers actions of the Operations Duty Specialist (ODS) when an incident occurs involving a shipment of radioactive materials.

3.0 REFERENCES

3.1 Radiological Emergency Plan.

4.0 ABBREVIATIONS AND DEFINITIONS

EDO - Emergency Duty Officer
ODS - Operations Duty Specialist
REND - Radiological Emergency Notification Directory

5.0 RESPONSIBILITIES

* If a request for assistance is made for a non-TVA shipment, contact the EDO for direction.

*NOTE: If an on scene responder requests immediate information concerning the shipment or how to respond to the incident, then **refer to Attachment B of this procedure.** Requested information **shall be provided within 15 minutes** from the time of the call to the ODS.

* In the event of a transportation incident involving a shipment of TVA's radioactive materials, the
* ODS may be notified by someone on the scene. Emergency instructions in the vehicle provide the appropriate telephone number. The ODS is authorized to accept collect telephone calls for this purpose. Upon receiving such notification, the ODS obtains from the caller the information outlined on the TRANSPORTATION INCIDENT CHECKLIST (**Attachment A**). The ODS makes the notifications as outlined in section 6.0.

*Revision

6.0 PROCEDURE REQUIREMENTS

6.1 If caller requests immediate information, refer to **Attachment B** of this procedure.

6.2 COMPLETE THE TRANSPORTATION INCIDENT CHECKLIST. **(Attachment A).**

6.3 The ODS notifies the following:

(Time/Initials)

____/____ 6.3.1 If the accident occurs in either Alabama or Tennessee, notify the appropriate State agency by direct line. After hours, the Alabama phone call will be made to the Department of Public Safety (see numbers preprogrammed on phones). Ask the officer to contact the Radiological Health Duty Officer by phone or pager and have the Duty Officer call back the ODS. Alternate telephone numbers for these agencies are listed in the TVA REND.

____/____ 6.3.2 Notify the Shift Manager of the plant where the shipment originated. Alternate numbers are listed in the TVA REND.

____/____ 6.3.3 Notify the following:

____/____ CECC EDO

____/____ CECC DIRECTOR

____/____ J. A. Scalice

____/____ J. E. Maddox

____/____ B. K. Marks

____/____ 6.3.4 Notify the Radiological Assessment Manager. (See the REPTRACK Duty List.)

____/____ 6.3.5 Notify the Plant Assessment Manager. (See the REPTRACK Duty List)

____/____ 6.3.6 If the incident involves a TVA radiography shipment, advise the

Radiological Assessment Manager to immediately notify the TS/ISO Radiography Support contact from the REND Callout List.

ATTACHMENT A

TRANSPORTATION INCIDENT CHECKLIST

a. What is your name? _____

b. Brief Description of the incident. _____

_____

_____

c. What is your relationship to the accident (truck driver, State or local police, or a passerby)?

_____

d. Where did the incident occur, and at what time did it occur? _____

_____

_____

e. Where did the vehicle originate, and what is its destination? _____

_____

_____

f. What authorities, such as State or local police, have been notified? _____

_____

_____

g. Was anyone injured? What are the nature and extent of their injuries? _____

_____

_____

h. Has medical assistance been summoned for injured persons? _____

i. Is there a fire involved? _____

j. (If an accident has occurred) What is the extent of damage to the vehicle and shipping container?

_____

k. Is there an obvious breech of the shipping container? Have the contents of the container spilled?

_____

l. What type of shipment is this (cask, van-type trailer, or other vehicle)? _____

m. Where are you calling from? _____

n. How can you, State, or local police be contacted (area code and telephone number)?

_____

_____

o. Refer to the shipping papers and/or **Attachment B** of this EPIP if you need to provide any information to the caller.

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INFORMATION FOR ON SCENE RESPONDERS

NOTE: Information requested by authorities for immediate action **shall be provided within 15 minutes.**

Information About Shipments

a. If you are requested to provide information concerning the shipment, refer to the ODS RADIOACTIVE MATERIAL SHIPMENT FORM which was telecopied to the ODS when the shipment left the TVA facility. Provide any information on the form which may be requested by the on scene responder and tell this individual of any precautions that may be indicated on the form.

Information About Emergency Response

b. If you are requested to provide information concerning Emergency Response, then provide any pertinent information contained in **pages 2 thru 4 of this Attachment.**

Where To Get Assistance

c. If you are requested to provide information which you have no knowledge of or is not available to you, contact the Shift Manager or the RADCON Lab at the affected plant for assistance at the telephone numbers listed below.

(These contacts may also be used for support if the shipment originated at another location).

SQN SM	423-843-7860
SQN RADCON Lab	423-843-7865
BFN SM	256-729-7860
BFN RADCON Lab	256-729-7865
WBN SM	423-365-7860
WBN RADCON Lab	423-365-7865

d. Continue with procedure requirements contained in Section 6.0.

*Revision

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INFORMATION FOR ON SCENE RESPONDERS

EMERGENCY RESPONSE INFORMATION

NOTE: A copy of this information is included with the shipping papers sent with the shipment.

Immediate Hazards to Health

a. External radiation from unshielded radioactive material.

b. Internal radiation from inhalation, ingestion, or skin absorption.

c. Radioactive material; degree of hazard will vary greatly, depending on type and quantity of radioactive material.

d. Runoff from fire control or dilution water may cause the spread of radioactive contamination.

Risks of Fire and Explosion

a. The primary potential for fire or explosion is from leaking fuel from the motor vehicle.

b. Some of the packaged materials may burn, but none of them readily ignites.

c. Radioactive oil (if present in a package) has a potential for fire.

Immediate Precautions To Be Taken

a. Keep unnecessary people as far from the transport vehicle as practicable.

b. Notify State or local police that an incident has occurred involving radioactive material.

c. Isolate hazard area and deny entry.

d. Detain uninjured persons and equipment exposed to radioactive material until arrival or instruction of Radiation Authority.

e. Delay clean-up until arrival or instruction of the Radiological Health Authority with jurisdiction.

f. Do not move damaged containers.

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INFORMATION FOR ON SCENE RESPONDERS

EMERGENCY RESPONSE INFORMATION

Immediate Methods of Handling Fires

a. Keep everyone at least 150 feet upwind and minimize breathing any of the smoke or fumes from the fire. Greater distances may be necessary if advised by Radiation Authority.

b. Notify the fire department of the fire and inform them that the transport vehicle is carrying radioactive material.

c. Self-contained breathing apparatus (SCBA) and structural firefighter's protective clothing will provide limited protection.

d. If advised by the Radiation Authority, move undamaged containers out of fire zone.

e. Small Fires: Dry chemical, CO2, Halon, water spray, or standard foam.

f. Large Fires: Water spray, fog (flooding amounts).

g. For massive fire in cargo area, use unmanned hose holder or monitor nozzles.

h. Fight fire from maximum distance. Stay away from ends of tanks.

i. If water pollution occurs, notify the appropriate authorities.

Immediate Methods for Handling Spills or Leaks in the Absence of Fire

a. Establish the restricted area and keep people outside of the area and on the upwind side (if possible).

b. Enter the spill area only to aid injured persons; limit entry to the shortest possible time.

c. Unless authorized by the Radiation Authority, do not touch damaged containers or spilled material.

d. Damage to outer container may not affect primary inner container.

e. Small Liquid Spills: Take up with sand, earth or other noncombustible absorbent material.

f. Large Spills: Dike far ahead of liquid spill for later disposal.

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INFORMATION FOR ON SCENE RESPONDERS

EMERGENCY RESPONSE INFORMATION

Preliminary First Aid Measures

a. Call emergency medical care if there are any suspected injuries.

b. Advise medical care personnel that injured persons may be contaminated with radioactive material.

c. Remove injured persons from any possible contaminated areas (unless the injuries are of a severe nature that would make movement inadvisable).

d. If not affecting injury, remove and isolate contaminated clothing and shoes; wrap victim in blanket before transporting.

e. If not injured, detain persons and equipment exposed to radioactive material until arrival or instruction of Radiation Authority.