

Approval  
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Date  
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Vogtle Electric Generating Plant  
NUCLEAR OPERATIONS

Unit \_\_\_\_\_ COMMON



Georgia Power

Procedure No. 91001-C  
Revision No. 7  
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FOR INFORMATION ONLY

EMERGENCY CLASSIFICATION AND IMPLEMENTING INSTRUCTIONS

1.0 PURPOSE

1.1 The purpose of this procedure is to provide instructions in the classification of off-normal events into one of four emergency classification levels. This procedure also provides initial implementing instructions for each emergency classification.

2.0 RESPONSIBILITIES

2.1 The On-Shift Operations Supervisor (OSOS) is responsible for initial classification of events. The OSOS shall assume the responsibilities of the Emergency Director until relieved. The OSOS then becomes responsible for recognizing changes in plant conditions and advising the Emergency Director concerning classification of events.

2.2 The Emergency Director has the following non-delegable responsibilities relative to emergency classification.

2.2.1 Classifying and declaring the emergency.

2.2.2 Declaring changes in the emergency classification, including downgrading and terminating.

2.3 The Technical Support Center (TSC) and the Emergency Operations Facility (EOF) Managers are responsible for:

2.3.1 Providing recommendations on emergency classifications to the Emergency Director.

3.0 PREREQUISITES

An off-normal event has occurred, or is in progress.

4.0 PRECAUTIONS

4.1 This procedure establishes minimum requirements for emergency classifications. The Emergency Director may use judgement as the final criterion for determining the classifications of off-normal events that are not included in this procedure.

5.0 PROCEDURE

## 5.1 CLASSIFICATION

5.1.1 Personnel and plant safety must be addressed as the highest priority; if necessary, prior to emergency classification.

5.1.2 Classify event on Data Sheet 1, "Classification Determination".

5.1.2.1 Use Figure 1 to determine if the fuel cladding is breached or challenged. Enter yes or no as applicable on Data Sheet 1, part 1a.

5.1.2.2 Use Figure 2 to determine if the reactor coolant system is breached or challenged. Enter yes or no as applicable on Data Sheet 1, part 1b.

5.1.2.3 Use Figure 3 to determine if the containment is breached or challenged. Enter yes or no as applicable on Data Sheet 1, part 1c.

5.1.2.4 Use Figure 4 and determine the highest emergency classification level for present plant conditions. Check the applicable emergency classification level on Data Sheet 1, part 2.

5.1.2.5 Verify your assumption of the Emergency Director position by signing just below Data Sheet 1, part 3, and list the date and time of the emergency declaration.

5.1.3 The Emergency Director shall complete the initial actions in "Notification of Unusual Event Checklist", "Alert Checklist", or "Site Area Emergency/General Emergency Checklist", as applicable.

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5.2 PERIODIC REVIEW OF THE CLASSIFICATION LEVEL

5.2.1 The Emergency Director shall periodically review current or projected plant conditions to determine if the emergency should be upgraded or downgraded.

5.2.2 The TSC Manager shall periodically review plant conditions, determine if the emergency should be upgraded or downgraded based on current or projected status, and make recommendations to the Emergency Director.

5.2.3 The EOF Manager shall periodically review offsite radiological conditions, determine if the emergency should be upgraded or downgraded based on current field surveys or projected releases, and make recommendations to the Emergency Director.

5.3 DOWNGRADING THE CLASSIFICATION

5.3.1 Upon determining that plant conditions are such that the emergency classification level may be downgraded, the Emergency Director shall contact, using Procedure 91002-C, "Emergency Notifications", GPC Management, the VEGP organization, the NRC, GEMA, the Burke County EMA, the South Carolina DHEC Radiological Emergency Response Coordinator, South Carolina Emergency Preparedness Division Director, and the SRP to discuss downgrading.

5.3.2 After the decision has been made to downgrade, the Emergency Director shall proceed with the appropriate checklist in "Notification of Unusual Event Checklist", "Alert Checklist", and "Site Area Emergency/General Emergency Checklist".

6.0 REFERENCES

6.1 VEGP Emergency Plan

6.2 PROCEDURES

6.2.1 91002-C, "Emergency Notifications"

6.2.2 91102-C, "Duties Of The Emergency Director"

6.2.3 91304-C, "Computerized And Manual Back-Up Methods For Release Rate And Dose Calculations"

6.2.4 91305-C, "Protective Action Guidelines"

6.3 VEGP Technical Specifications

END OF PROCEDURE TEXT

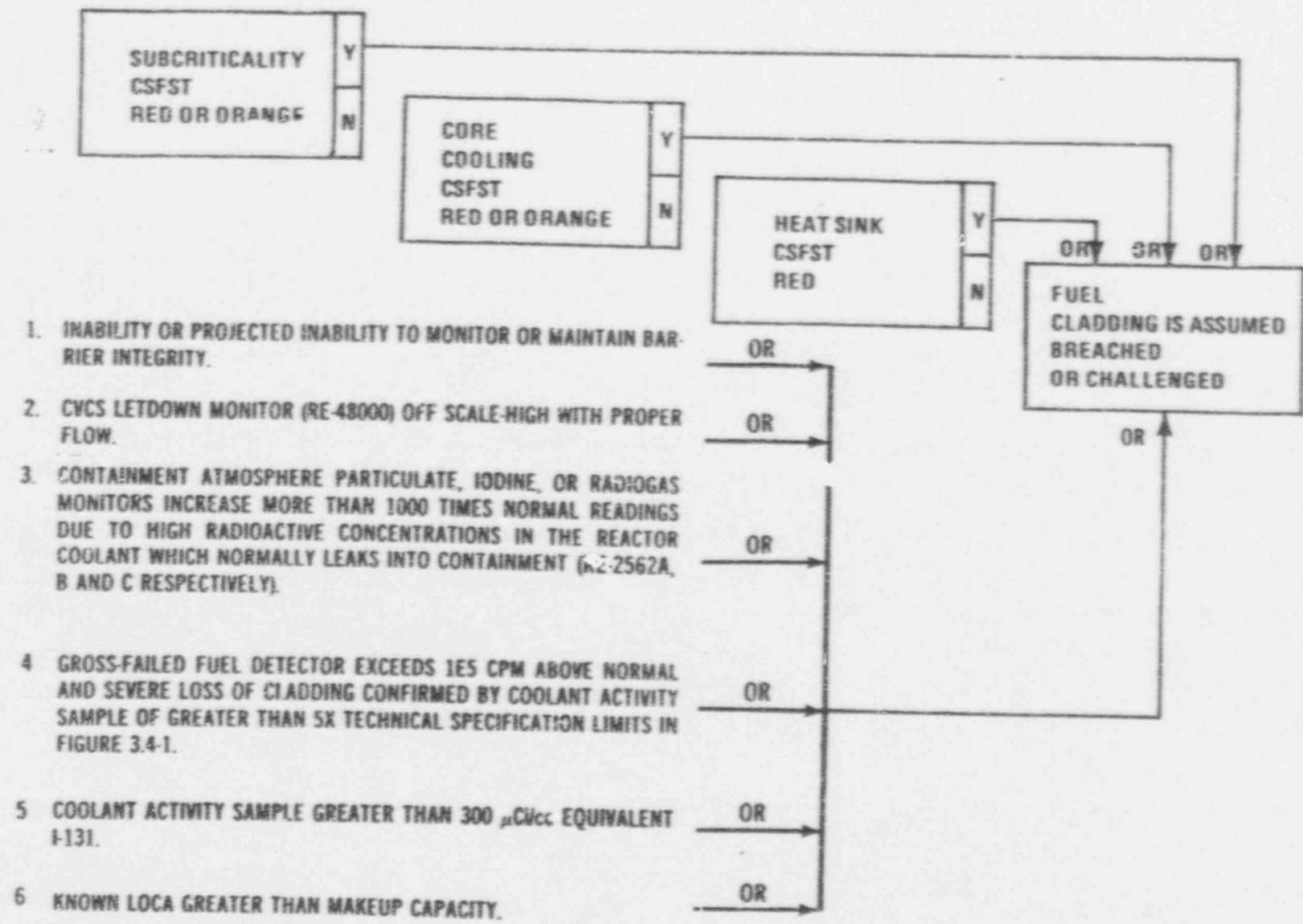
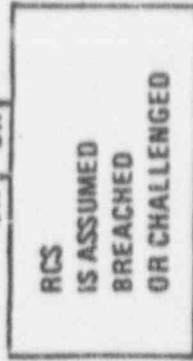
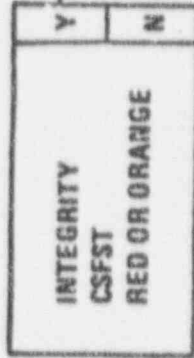
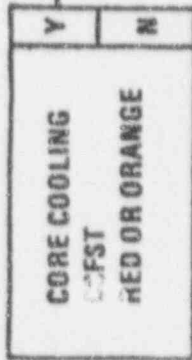


FIGURE 1 - FUEL CLADDING INTEGRITY



**A. GENERAL**

1. INABILITY OR PROJECTED INABILITY TO MONITOR OR MAINTAIN BARRIER STATUS.
2. PRIMARY COOLANT LEAK RATE GREATER THAN 50 GPM.

**B. LOSS TO CONTAINMENT**

1. CONTAINMENT AIR PARTICULATE, IODINE, OR RADIOGAS MONITORS (RE-2562A, B, AND C) INCREASE VERY RAPIDLY TO OFFSCALE-HIGH.

**C. LOSS TO A STEAM GENERATOR**

1. THE MAIN STEAM LINE MONITOR (RE-13119, 13120, 13121, OR 13122), INDICATES HIGH ALARM.
2. THE CONDENSER AIR EJECTOR AND STEAM PACKING EXHAUSTER PASSIVE AIR PARTICULATE, IODINE OR RADIOGAS MONITORS (RE-12839A, B, AND C RESPECTIVELY) EXCEEDS 10 X TECHNICAL SPECIFICATIONS LIMITS.
3. STEAM GENERATOR SAMPLE LIQUID PROCESS MONITOR (RE-0019) AND THE STEAM GENERATOR BLOWDOWN LIQUID PROCESS MONITOR (RE-0021) INCREASE RAPIDLY TO OFF SCALE-HIGH.

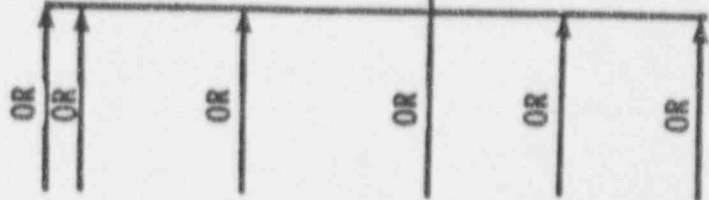


FIGURE 2 - REACTOR COOLANT SYSTEM (RCS) INTEGRITY



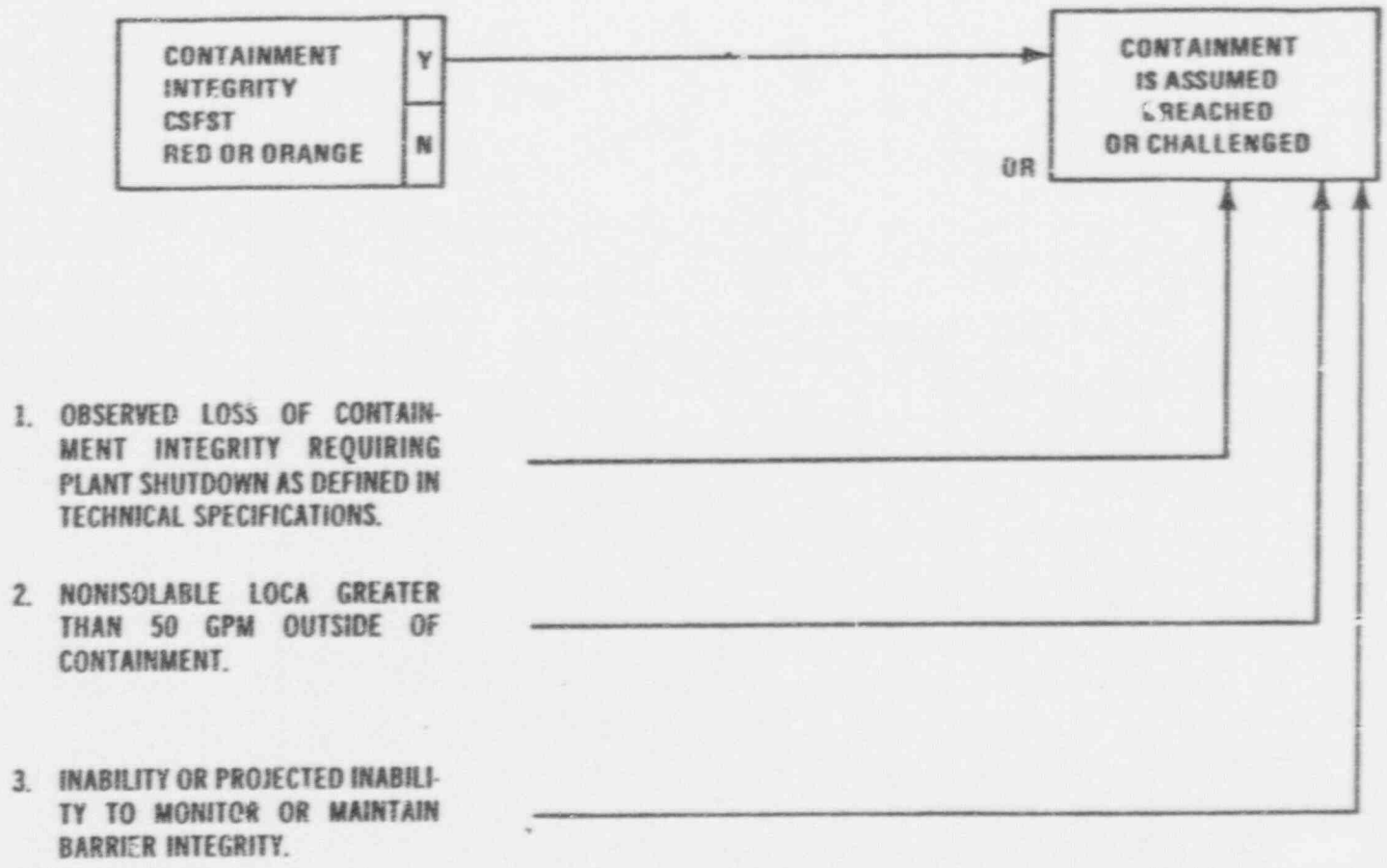


FIGURE 3 - CONTAINMENT INTEGRITY

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EMERGENCY CLASSIFICATION LEVEL	PLANT POWER	TECHNICAL SPECIFICATIONS	RADIOACTIVITY	PLANT SYSTEMS	NATURAL PHENOM
NOTIFICATION OF UNUSUAL EVENT	Loss of onsite or offsite A.C. power	Loss of Engineered Safety Feature, PERMS Monitor or Effluent Air Flow Inst. requiring plant shutdown by Technical Specifications Exceeding RCS leak rates per Technical Specification 3.4.6.2 Exceeding RCS activity per Technical Specification Figure 3.4.1 Any safety limit violation per Technical Specification 2.1	Transportation of offsite of a contaminated injured victim Gross failed fuel monitor exceeds 2 Bq cpm above normal. Confirmed to be above Tech Spec limit by laboratory analysis Radioactive effluent Technical Specifications exceeded (a)	Rapid depressurization of the secondary system Turbine rotating component failure causing rapid plant shutdown ECCS discharge to reactor vessel Reactor protection actuation without subcriticality Failure of a safety or relief valve to reclose in a safety related system	Any earthquake or detected no Any tornado or hurricane local Fire in the pl lasting longer 10 minutes
ALERT	Loss of all off site and on site A.C. power Loss of all vital D.C. power.	NONE	Site boundary dose rate greater than 0.5 mrem/h whole body or 1.5 mrem/h thyroid (b) Radiation level or airborne contamination which indicates degradation in the control of radioactive material (x1000 increase)	Turbine failure causing casing penetration and damage to safety systems Evacuation of Control Room anticipated or required with control of shutdown system established from shutdown panels.	Earthquake greater than 0.12g Hurricane wind sustained at a then 90 mph Tornado striking plant structure protected area
SITE AREA EMERGENCY	Loss of all off site and all on site A.C. power for more than 15 min. Loss of all vital D.C. power for more than 15 min.	NONE	Site boundary dose rates projected or measured greater than 50 mrem/h whole body greater than 250 mrem/h thyroid (b)	Evacuation of the Control Room and control of shutdown systems not established from shutdown panels in 15 min.	Plant not in shutdown and earthquake greater than 0.2 g; or sustained wind greater than 1 Fire resulting the loss or excessive degradation any safety-related function
GENERAL EMERGENCY	NONE	NONE	Site boundary projected or actual dose rate greater than 1 rem/h whole body or 5 rem/h thyroid (b)	Loss of physical control of plant	NONE

(a) Per ODCM  
(b) Per Procedure 91004-C

FIGURE 4 - EMERGENCY C

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	MAN MADE HAZARDS	SECURITY	FISSION PRODUCT BARRIERS	SHUTDOWN SYSTEMS	OTHER
felt site	<u>Aircraft crash onsite</u>	<u>Unusual aircraft activity overhead</u>	NONE	NONE	<u>Loss of all meteorological data</u>
not than	<u>Train derailment onsite</u> <u>onsite explosion</u> <u>onsite toxic gas release</u>	<u>Security threat or attempted sabotage</u>			<u>Loss of both site telephone and EMR switches</u>
<p>SI APERTURE CARD</p> <p>Also Available 410 Aperture Card</p>					
ter	<u>Aircraft crash or missile impact inside the protected area</u> <u>Explosion damage effecting safety system</u> <u>Uncontrolled toxic or flammable gases entering the protected area</u>	<u>Ongoing security compromise which results in intruders within the protected area</u>	<u>Breach or challenge of 1 of 3 fission product barriers</u>	<u>Complete loss of any function which results in inability to maintain cold shutdown</u>	<u>Other plant conditions exist that warrant precautionary activation of the TSC</u>
ld	<u>Plant not in cold shutdown and: aircraft crash effecting vital structures by impact or fire; or severe damage to safe shutdown equipment from missile or explosion; or uncontrolled flammable gases entering the vital area; or uncontrolled toxic gases in vital area restricting access causing a safety problem</u>	<u>Ongoing security compromise which results in intruders within the vital area</u>	<u>Breach or challenge of 2 of 3 fission product barriers</u> <u>Known LOCA greater than make-up capacity</u>	<u>Complete loss of any function which results in inability to maintain hot shutdown</u>	<u>Major damage to spent fuel in the containment or fuel handling building</u>
	NONE	<u>Loss of physical control of plant</u>	<u>Breach or challenge of 3 of 3 fission product barriers</u>	NONE	NONE

CLASSIFICATION LEVEL DETERMINATION

9202200350-01



DATA SHEET 1

CLASSIFICATION DETERMINATION

1. Evaluate status of fission product barriers:

Breached/Challenged

- a. Fuel Cladding Integrity (See Figure 1) YES \_\_\_ NO \_\_\_
- b. Reactor Coolant System Integrity (See Figure 2) YES \_\_\_ NO \_\_\_
- c. Containment Integrity (See Figure 3) YES \_\_\_ NO \_\_\_

2. Determine the highest emergency classification level for present plant conditions (See Figure 4).

Check One:

- \_\_\_\_\_ Notification of Unusual Event
- \_\_\_\_\_ Alert
- \_\_\_\_\_ Site Area Emergency
- \_\_\_\_\_ General Emergency

Comments:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3. Assume the position of Emergency Director.

Signature \_\_\_\_\_  
Emergency Director

Date \_\_\_ / \_\_\_ / \_\_\_

Central Time \_\_\_\_\_

4. Proceed to Notification of Unusual Event, Alert, Site Area Emergency/General Emergency Checklist of this procedure.

NOTIFICATION OF UNUSUAL EVENT CHECKLIST

1. Maintain a log of the incident (this may be delegated to other personnel, as available).
2. Make an announcement over the public address system for all areas as follows:

## NOTE

Wording in [ ] may not be applicable in all situations.

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"ATTENTION ALL PERSONNEL - THIS IS NOT A DRILL - A NOTIFICATION OF UNUSUAL EVENT HAS BEEN DECLARED [FOR UNIT \_\_\_\_\_]."

(Include brief description of the event)

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(Repeat Announcement)

3. Implement notifications in accordance with Checklist 1, Emergency Director Notification Checklist, in Procedure 91002-C, Emergency Notifications".
4. If a radiological release is involved, request offsite dose projections be performed (see Procedure 91304-C, "Computerized And Manual Back-Up Methods For Release Rate And Dose Calculations").
5. As necessary, make protective action recommendations per Procedure 91305-C, "Protective Action Guidelines".
6. Continue with subsequent actions per the Emergency Director Checklist in Procedure 91102-C, "Duties Of The Emergency Director".

Signature \_\_\_\_\_  
Emergency Director

Date/Central Time \_\_\_\_\_ / \_\_\_\_\_

ALERT CHECKLIST

1. Maintain a log of the incident (this may be delegated to other personnel, as available).
2. Make an announcement over the public address system, for all areas as follows:

NOTE  
Wording in [ ] may not  
be applicable to all  
situations.

"ATTENTION ALL PERSONNEL - THIS IS AN ACTUAL EMERGENCY - AN ALERT HAS BEEN DECLARED [FOR UNIT \_\_\_\_\_]."

(Give a brief description of the event, if appropriate, and repeat the announcement.)

"EMERGENCY RESPONSE PERSONNEL REPORT TO YOUR ASSIGNED EMERGENCY RESPONSE FACILITY. NON-ESSENTIAL PERSONNEL, EXIT THE PROTECTED AREA, REPORT TO ASSEMBLY AREA."  
(Repeat Announcement)

3. Sound the alarm for an Alert - warble tone.
4. Repeat the announcement from Step 2.
5. Implement notifications in accordance with Checklist 1, Emergency Director Notification Checklist, Procedure 91002-C, "Emergency Notifications".
6. If a radiological release is involved, request offsite dose projections be performed (see Procedure 91304-C, "Computerized And Manual Back-Up Methods For Release Rate And Dose Calculations").
7. Perform accountability of operations staff not badged into control room. (Procedure 91401-C, "Assembly and Accountability". This maybe delegated to other personnel, as available).
8. As necessary, make protective action recommendations per Procedure 91305-C, "Protective Action Guidelines".
9. Continue with subsequent actions per the Emergency Director Checklist in Procedure 91102-C, "Duties Of The Emergency Director".

Signature \_\_\_\_\_  
Emergency Director

Date/Central Time \_\_\_\_\_ / \_\_\_\_\_

Sheet 1 of 2

SITE AREA EMERGENCY/GENERAL EMERGENCY CHECKLIST

1. Maintain a log of the incident (this may be delegated to other personnel, as available).
2. Make an announcement over the public address system for all areas as follows:

NOTE

Wording in [ ] may not be applicable to all situations.

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"ATTENTION ALL PERSONNEL - THIS IS AN ACTUAL EMERGENCY - A SITE AREA EMERGENCY (GENERAL EMERGENCY) HAS BEEN DECLARED [FOR UNIT \_\_\_\_\_]."

(Give a brief description of the event) \_\_\_\_\_

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[EMERGENCY RESPONSE PERSONNEL REPORT TO YOUR ASSIGNED RESPONSE FACILITY. NON-ESSENTIAL PERSONNEL EXIT THE PROTECTED AREA, REPORT TO ASSEMBLY AREA.]  
(Repeat Announcement)

3. Sound the appropriate alarm:  
Site Area Emergency - pulse tone  
General Emergency - yelp tone
4. Repeat the announcement from Step 2.
5. Direct early dismissal of non-essential personnel or site evacuation as described under Early Dismissal/Site Evacuation on the Emergency Director Checklist in Procedure 91102-C, "Duties Of The Emergency Director".
6. Determine offsite relocation center for site evacuation.
7. Notify security of early dismissal or of evacuation routes prior to making the PA announcement.
8. Implement notifications in accordance with Checklist 1, Emergency Director Notification Checklist, in Procedure 91002-C, "Emergency Notifications".

SITE AREA EMERGENCY/GENERAL EMERGENCY CHECKLIST

9. If a radiological release is involved, request offsite dose projections be performed (see Procedure 91304-C, "Computerized And Manual Back-Up Methods For Release Rate And Dose Calculations").
10. Perform accountability of operations staff not badged into control room (if not completed in Alert Checklist) Procedure 91401-C, "Assembly and Accountability". (This maybe delegated to other personnel, as available).
11. As necessary, make protective action recommendations per Procedure 91305-C, "Protective Action Guidelines".
12. Continue with subsequent actions per the Emergency Director Checklist in Procedure 91102-C, "Duties Of The Emergency Director".

Signature \_\_\_\_\_  
Emergency Director

Date/Central Time \_\_\_\_\_ / \_\_\_\_\_



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SITE AREA EMERGENCY/GENERAL EMERGENCY CHECKLIST

9. If a radiological release is involved, request offsite dose projections be performed (see Procedure 91304-C, "Computerized And Manual Back-Up Methods For Release Rate And Dose Calculations").
10. Perform accountability of operations staff not badged into control room (if not completed in Alert Checklist) Procedure 91401-C, "Assembly and Accountability". (This maybe delegated to other personnel, as available).
11. As necessary, make protective action recommendations per Procedure 91305-C, "Protective Action Guidelines".
12. Continue with subsequent actions per the Emergency Director Checklist in Procedure 91102-C, "Duties Of The Emergency Director".

Signature \_\_\_\_\_  
Emergency Director

Date/Central Time \_\_\_\_\_ / \_\_\_\_\_