

Document Update Notification

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DOCUMENT NO: OP-1903.011

TITLE: EMERGENCY RESPONSE/
NOTIFICATIONS

CHANGE NO: 027-01-0

ADDITIONAL INFO:



← If this box is checked, please sign, date, and return within 5 days.



ANO-1 Docket 50-313



ANO-2 Docket 50-368

Signature

Date

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**ATTN: DOCUMENT CONTROL-(N-ADMIN-24)
ARKANSAS NUCLEAR ONE
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A045

ENTERGY OPERATIONS INCORPORATED
ARKANSAS NUCLEAR ONE

TITLE: Emergency Response/Notifications

DOCUMENT NO.
1903.011

CHANGE NO.
027-01-0

WORK PLAN EXP. DATE
N/A

TC EXP. DATE
N/A

SET # 103

SAFETY-RELATED
☒ YES ☐ NO

IPTE
☐ YES ☒ NO

TEMP ALT
☐ YES ☒ NO

When you see these TRAPS

Get these TOOLS

Time Pressure
Distraction/Interruption
Multiple Tasks
Overconfidence
Vague or Interpretive Guidance
First Shift/Last Shift
Peer Pressure
Change/Off Normal
Physical Environment
Mental Stress (Home or Work)

Effective Communication
Questioning Attitude
Placekeeping
Self Check
Peer Check
Knowledge
Procedures
Job Briefing
Coaching
Turnover

VERIFIED BY

DATE

TIME

FORM TITLE:

VERIFICATION COVER SHEET

FORM NO.
1000.006A

CHANGE NO.
050-00-0

Page 1

TITLE:EMERGENCY RESPONSE/NOTIFICATIONS		PROJECT NO. 1903.011		CHANGE NO. 027-01-0	
AFFECTED UNIT: <input checked="" type="checkbox"/> UNIT 1 <input checked="" type="checkbox"/> UNIT 2		<input checked="" type="checkbox"/> PROCEDURE <input type="checkbox"/> ELECTRONIC DOCUMENT <input type="checkbox"/> WORK PLAN, EXP. DATE n/a		SAFETY-RELATED <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
TYPE OF CHANGE: <input type="checkbox"/> NEW <input type="checkbox"/> REVISION		<input checked="" type="checkbox"/> PC <input type="checkbox"/> EZ		<input type="checkbox"/> TC <input type="checkbox"/> DELETION EXP. DATE: _____	
DOES THIS DOCUMENT:					
1. Supersede or replace another procedure? (If YES, complete 1000.006B for deleted procedure.) (OCAN058107)				<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
2. Alter or delete an existing regulatory commitment? (If YES, coordinate with Licensing before implementing.) (OCNA128509)(OCAN049803)				<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
3. Require a 50.59 review per LI-101? (See also 1000.006, Attachment 15) (If 50.59 evaluation, OSRC review required.)				<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
4. Cause the MTCL to be untrue? (See Step 8.5 for details.) (If YES, complete 1000.009A) (1CAN108904, 0CAN099001, 0CNA128509, 0CAN049803)				<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
5. Create an Intent Change? (If YES, Standard Approval Process required.)				<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
6. Implement or change IPTE requirements? (If YES, complete 1000.143A. OSRC review required.)				<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
7. Implement or change a Temporary Alteration? (If YES, then OSRC review required.)				<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
Was the Master Electronic File used as the source document?				<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
INTERIM APPROVAL PROCESS			STANDARD APPROVAL PROCESS		
ORIGINATOR SIGNATURE: (Includes review of Att. 13) DATE: Print and Sign name: <u>N/A</u> PHONE #: _____ SUPERVISOR APPROVAL: * <u>N/A</u> DATE: _____			ORIGINATOR SIGNATURE: (Includes review of Att. 13) DATE: <u>8-6-03</u> Print and Sign name: <u>Duane White</u> PHONE #: <u>4997</u> INDEPENDENT REVIEWER: <u>W. H. Hester</u> DATE: <u>9-16-03</u>		
SRO UNIT ONE : ** <u>N/A</u> DATE: _____			ENGINEERING: <u>N/A</u> DATE: _____		
SRO UNIT TWO: ** <u>N/A</u> DATE: _____			QUALITY: <u>N/A</u> DATE: _____		
Interim approval allowed for non-intent changes requiring no 50.59 evaluation that are stopping work in progress. Standard Approval required for intent changes or changes requiring a 50.59 evaluation. *If change not required to support work in progress, Department Head must sign. **If both units are affected by change, both SRO signatures are required. (SRO signature required for safety related procedures only.)			UNIT SURVEILLANCE COORDINATOR (0CNA049803): DATE: <u>N/A</u> SECTION LEADER: <u>W. H. Hester</u> DATE: <u>10/16/03</u> QUALITY ASSURANCE: <u>N/A</u> DATE: _____ OTHER SECTION LEADERS: <u>N/A</u> DATE: _____ OTHER SECTION LEADERS: <u>N/A</u> DATE: _____ OTHER SECTION LEADERS: <u>N/A</u> DATE: _____ OTHER SECTION LEADERS: <u>N/A</u> DATE: _____ OTHER SECTION LEADERS: <u>N/A</u> DATE: _____ OTHER SECTION LEADERS: <u>N/A</u> DATE: _____ OTHER SECTION LEADERS: <u>N/A</u> DATE: _____ OTHER SECTION LEADERS: <u>N/A</u> DATE: _____ OTHER SECTION LEADERS: <u>N/A</u> DATE: _____ OTHER SECTION LEADERS: <u>N/A</u> DATE: _____		
OSRC CHAIRMAN/TECHNICAL REVIEWER: (0CNA049312) DATE: <u>10-3-03</u> FINAL APPROVAL: <u>Robert Haley</u> Date: <u>10/21/03</u> REQUIRED EFFECTIVE DATE: <u>11-04-03</u>					
FORM TITLE: PROCEDURE/WORK PLAN APPROVAL REQUEST			FORM NO. 1000.006B		CHANGE NO. 051-00-0

**ENTERGY OPERATIONS INCORPORATED
ARKANSAS NUCLEAR ONE**

TITLE:Emergency Response/Notifications

DOCUMENT NO.
1903.011

CHANGE NO.
027-01-0

☒ **PROCEDURE**

☐ **WORK PLAN, EXP. DATE** n/a

PAGE 1 **OF** 3

☐ **ELECTRONIC DOCUMENT**

TYPE OF CHANGE:

☐ **NEW**

☒ **PC**

☐ **TC**

☐ **DELETION**

☐ **REVISION**

☐ **EZ**

EXP. DATE: _____

AFFECTED SECTION:
(Include step # if applicable)

DESCRIPTION OF CHANGE: (For each change made, include sufficient detail to describe reason for the change.)

Step 6.4.2.C.8

Added "or 2203.008" (Unit 2 Natural Emergencies AOP)

Form 1903.011J Step 4

This step was previously step 3.4. Changed to Step 4 for human factoring. Renumbered remaining steps.

Form 1903.011M Step 4

This step was previously step 3.4. Changed to Step 4 for human factoring. Renumbered remaining steps

Form 1903.011P Step 4

This step was previously step 3.4. Changed to Step 4 for human factoring. Renumbered remaining steps

Step 13

This step was previously step 11.1. Changed to Step 13 for human factoring. Renumbered remaining steps

Step 14

This step was previously step 11.2. Changed to Step 14 for human factoring. Renumbered remaining steps

Form 1903.011Q Step 4.D

Changed "Go to step 11" to "Go to step 13".

Step 5.1

Added step number "5.1" to this step. Previously was not numbered.

Step 5.2

Added this step "Check the appropriate routes in the plant announcement step 10 below".

Step 9

Added this step, "Contact the Control Room (Unit 1 or Unit 2) and request either the Status Board Communicator (recommended) or a crew member to sound the plant evacuation alarm for 10 seconds after each plant evacuation announcement." Renumbered remaining steps

Step 10

Added this step, "10. [Make the following announcement using the plant paging system (dial 197): "Attention all personnel. Attention all personnel. A Site Area Emergency has been declared on Unit (One/Two). Emergency response and emergency standby personnel report to your designated assembly areas and perform initial accountability. All other personnel evacuate the plant using evacuation route(s) 1 2 3 and proceed to the Atkins Emergency Worker Center. "If necessary, include in the announcement any plant areas to avoid, or special protective actions to be taken by plant evacuees: 10.1 Pause until the Control Room sounds the plant evacuation alarm for approximately 10 seconds. 10.2 Repeat the announcement at least 2 times, alternating the announcement with the plant evacuation alarm.

FORM TITLE:

DESCRIPTION OF CHANGE

FORM NO.
1000.006C

CHANGE NO.
050-00-0

ENTERGY OPERATIONS INCORPORATED ARKANSAS NUCLEAR ONE

TITLE:Emergency Response/Notifications

DOCUMENT NO.
1903.011

CHANGE NO.
027-01-0

☒ **PROCEDURE**

☐ **WORK PLAN, EXP. DATE** n/a

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☐ **ELECTRONIC DOCUMENT**

TYPE OF CHANGE:

☐ **NEW**

☒ **PC**

☐ **TC**

☐ **DELETION**

☐ **REVISION**

☐ **EZ**

EXP. DATE: _____

AFFECTED SECTION:
(Include step # if applicable)

DESCRIPTION OF CHANGE: (For each change made, include sufficient detail to describe reason for the change.)

Form 1903.011Q Step 12

Added this step, "12. Request the Shift Manager's of both Control Room's to perform the following: 12.1 Instruct Control Room personnel (operators, chemists, RP, etc.) to log into the designated security card reader using "0000". 12.2 Instruct both units' operators in the field to log into the nearest security card reader using "0000" and log onto the emergency RWP."

Form 1903.011R Step 6

Changed "step 11" to "step 13".

Form 1903.011S Step 4

This step was previously step 3.4. Made it step 4 for human factoring. Renumbered remaining steps.

Step 6.2

Changed "step 9 below" to "step 10 below".

Step 7

Changed "evacuation announcement step 9" to "plant announcement Step 10 below".

Step 13

This step was previously step 11.1. Made it step 13 for human factoring.

Step 14

This step was previously step 11.2. Made it step 14 for human factoring.

Form 1903.011T Step 4.D

Changed "Go to step 11" to "Go to step 14".

Step 5.1

Added step number 5.1 to step. Previously step was not numbered.

Step 5.2

Added step, "Check the appropriate routes in the plant announcement step 10 below".

Step 9

Added step, "9. Contact the Control Room (Unit 1 or Unit 2) and request either the Status Board Communicator (recommended) or a crew member to sound the plant evacuation alarm for 10 seconds after each plant evacuation announcement.

Step 10

Added step, "10. Make the following announcement using the plant paging system (dial 197): "Attention all personnel. Attention all personnel. A General Emergency has been declared on Unit ____ (One/Two). Emergency response and emergency standby personnel report to your designated assembly areas and perform initial accountability. All other personnel evacuate the plant using evacuation route(s) 1 2 3 and proceed to the Atkins Emergency Worker Center." If necessary, include in the announcement any plant areas to avoid, or special protective actions to be taken by plant evacuees: 10.1 Pause until the Control Room sounds the plant evacuation alarm for approximately 10 seconds. 10.2 Repeat the announcement at least 2 times, alternating the announcement with the plant evacuation alarm.

FORM TITLE:

DESCRIPTION OF CHANGE

FORM NO.

1000.006C

CHANGE NO.

050-00-0

**ENTERGY OPERATIONS INCORPORATED
ARKANSAS NUCLEAR ONE**

TITLE: Emergency Response/Notifications		DOCUMENT NO. 1903.011	CHANGE NO. 027-01-0
<input checked="" type="checkbox"/> PROCEDURE <input type="checkbox"/> WORK PLAN, EXP. DATE <u>n/a</u>		PAGE <u>3</u> OF <u>3</u>	
<input type="checkbox"/> ELECTRONIC DOCUMENT			
TYPE OF CHANGE: <input type="checkbox"/> NEW <input checked="" type="checkbox"/> PC <input type="checkbox"/> TC <input type="checkbox"/> DELETION <input type="checkbox"/> REVISION <input type="checkbox"/> EZ EXP. DATE: _____			
AFFECTED SECTION: (Include step # if applicable)	DESCRIPTION OF CHANGE: (For each change made, include sufficient detail to describe reason for the change.)		
Form 1903.011T Step 9	Deleted previous step 9, "Direct the Shift Manager of the affected unit to perform the Emergency Class and plant evacuation announcement using Form 1903.011S, "GE Emergency Direction and Control Checklist Shift Manager: steps 9, 10 and 11 of this procedure. 9.1 Inform the Shift Manager of the site evacuation routes determined in Step 5. 9.2 Inform the Shift Manager of any plant areas to avoid during the plant evacuation and any special protective measures to be taken by plant evacuees."		
Step 11	Added step, "11. Make the following announcement using the EOF public address system (dial 199 and pause approximately 15 seconds). "Attention all personnel. Attention all personnel. A General Emergency has been declared on Unit (One/Two). Emergency response personnel report to your designated assembly areas."		
Step 12	Added step, "12. Request the Shift Manager's of both Control Rooms to perform the following: 12.1 Instruct all Control Room personnel (operators, chemists, RP, etc.) to log into the designated security card reader using "0000". 12.1 Instruct both units' operators in the field to log into the nearest security card reader using "0000" and log onto the emergency RWP."		
Step 14	Changed "Yes – Go To Step 12" to "Yes – Go To Step 15"		
Form 1903.011U Step 7	Changed "step 11" to "step 14" at end of step.		
Attachment 9 Table of contents	Changed section 2 title from "Post trip notification using the CNS" to "Other Notifications Using the CNS (i.e forced outage, TSC/OSC non Emergency, etc)".		
Section 1	Added step, "1. <u>IF</u> this ERO Notification is for an Alert or higher Emergency Class and CNS has already been initiated for an Alert or higher Emergency Class, <u>THEN</u> exit this attachment."		
Section 2	Change title to "Other Notifications Using the CNS (i.e. Forced Outage, TSC/OSC Non Emergency, etc.)"		
Attachment 6 PAR 1 and 2	Added "Include any previously evacuated zones on the current PAR. Do Not change any previously evacuated zones to "shelter" or "go indoors". Renumbered steps as appropriate		
FORM TITLE: DESCRIPTION OF CHANGE		FORM NO. 1000.006C	CHANGE NO. 050-00-0

PROC./WORK PLAN NO. 1903.011	PROCEDURE/WORK PLAN TITLE: EMERGENCY RESPONSE/NOTIFICATIONS	PAGE: 1 of 55 CHANGE: 027-01-0
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1.0 PURPOSE

This procedure establishes required emergency response actions for each of the four Emergency Classes. The required actions described in this procedure are for purposes of notification to offsite authorities and activation/response of appropriate portions of ANO's Emergency Response Organization.

2.0 SCOPE

This procedure is applicable to Units 1 and 2 in all modes: It does not include specific plant casualty procedures or systems operations requirements, but rather provides administrative processes only.

This procedure describes actions for events that meet the criteria for Emergency Classes and Courtesy Calls.

3.0 REFERENCES

3.1 REFERENCES USED IN PROCEDURE PREPARATION:

- 3.1.1 ANO Emergency Plan
- 3.1.2 ANO EAL Bases Document
- 3.1.3 NUREG-0654/FEMA-REP-1, Rev. 1
- 3.1.4 10 CFR 50
- 3.1.5 IE Information Notice No. 83-28: Criteria for Protective Action Recommendations for General Emergencies
- 3.1.6 U.S. NRC, Response Technical Manual (RTM-93) Volume 1 Revision 3.
- 3.1.7 Memorandum ANO-98-00352, Subject: ADH Courtesy Call Agreement.

3.2 REFERENCES USED IN CONJUNCTION WITH THIS PROCEDURE:

- 3.2.1 Station Directive A6.202, "Public Communications"
- 3.2.2 1000.104, "Condition Reporting Operability and Immediate Reportability Determinations"
- 3.2.3 1015.007, "Fire Brigade Organization and Responsibilities"
- 3.2.4 1043.042, "Response to Contingency"
- 3.2.5 1903.010, "Emergency Action Level Classifications"
- 3.2.6 1903.030, "Evacuation"
- 3.2.7 1903.042, "Duties of the Emergency Medical Team"
- 3.2.8 1903.043, "Duties of the Emergency Radiation Team"
- 3.2.9 1903.064, "Emergency Response Facility - Control Room"

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- 3.2.10 1903.065, "Emergency Response Facility - Technical Support Center (TSC)"
- 3.2.11 1903.066, "Emergency Response Facility - Operational Support Center (OSC)"
- 3.2.12 1903.067, "Emergency Response Facility - Emergency Operations Facility"
- 3.2.13 ANO Security Plan/Security Procedures
- 3.2.14 1604.015, "Analysis of Unit Vents"
- 3.2.15 1604.017, "Analysis of Liquid Waste"
- 3.3 RELATED ANO PROCEDURES:
None
- 3.4 REGULATORY CORRESPONDENCE CONTAINING NRC COMMITMENTS WHICH ARE IMPLEMENTED IN THIS PROCEDURE INCLUDE: **[BOLD]** DENOTES COMMITMENTS
 - 3.4.1 OCAN039701 (P-15339) - Require verbatim transmission of information from form 1903.011Y to NRC using ENS & require follow-up fax to NRC after initial ENS notification. Form 1903.011Y steps 6 and 7, 1903.011Z steps 7 and 8.
 - 3.4.2 OCAN068104 (P-10936) - Incorporate all applicable emergency call lists into one notification procedure for the SAA to use during emergencies. Form 1903.011Y steps 4 and 6 and Form 1903.011Z steps 5 and 7.
 - 3.4.3 TELCONDWB91006 (P-1735) - Revise and/or develop procedures to ensure ERDS is activated upon an Alert or higher emergency class. Section 6.5, Form 1903.011Y step 8 and Form 1903.011Z step 6.
 - 3.4.4 OCAN089209 (P-3335) - Revise procedure 1903.011. Provide remedial training and aid instructions to the Emergency Plan manual on the use of CNS. Procedure 1903.011 Attachment 9
 - 3.4.5 OCAN068503 (P-4584) - Include requirement for NRC notification immediately after state notification in Procedure 1903.010 and the Emergency Plan, Rev. 1. Form 1903.011Y note page 4, Form 1903.011Z note page 4.
 - 3.4.6 1CAN047910 (P-7596) - Revise the ANO administrative controls manual and emergency procedure for personnel response. Form 1903.011Y step 4 and Form 19903.011Z step 5.
 - 3.4.7 2CAN047912 (P-7706) - Ensure prompt notification of the NRC. Form 1903.011Y step 6 and 1903.011Z step 7.
 - 3.4.8 OCAN058411 (P-9461) - Procedure 1903.011 will be revised to require an approval signature by an authorized individual. Form 1903.011Y step 3.
 - 3.4.9 OCAN118307 (P-9875) - EPIP 1903.010 has been revised to clarify the responsibility for making protective action recommendations. Section 6.2

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- 3.4.10 OCAN068320 (P-10766) - Procedure 1903.032 (currently 1903.011) establishes one individual to make PAR's. Section 6.2
- 3.4.11 OCAN128012 (P-10455) - Provide identification of contact positions in the emergency organization and procedures for establishing contact. Procedure 1903.011 Attachment 9.
- 3.4.12 OCNA108215 (P-10847) - EPIP 1903.010 revised to provide explicit recall instructions. Procedure 1903.011 Attachment 9.
- 3.4.13 OCAN068320 (P-10758) - EPIP 1903.010 (currently 1903.011) contains follow up message form. Form 1903.011Z.
- 3.4.14 OCAN059701 (P-15456) - Emergency response/notifications procedure emphasizes the Shift Superintendent (currently Shift Manager) review of the plant evacuation checklist. Forms 1903.011(J,M,P,S) step 5 and 1903.011Y step 3.
- 3.4.15 OCAN098206 (P-9466) - Provide adequate assurance of prompt response time under normal circumstances. Form 1903.011Y step 4 and Form 1903.011Z step 5.
- 3.4.16 1CAN088308 (P-9589) - Revise procedure to delineate responsibilities for report preparation and submittal of unusual events. Procedure 1903.011 Attachment 1.
- 3.4.17 OCAN108213 (P-10823) - Provide adequate assurance of prompt response time. Form 1903.011Y step 4 and Form 1903.011Z step 5.

4.0 DEFINITIONS

- 4.1 Alert - Events are in progress or have occurred which involve an actual or potential substantial degradation of the level of safety of the plant. Any releases are expected to be limited to small fractions of the EPA Protective Action Guideline exposure levels.
- 4.2 Courtesy Call - A notification to the Arkansas Department of Health and follow-up notification to the NRC for conditions/events other than those constituting an Emergency Class as listed in procedure 1903.011, "Emergency Response/Notifications", Section 6.3.
- 4.3 Emergency Action Level - A plant or onsite condition which has exceeded pre-determined limits which would categorize the situation into one of the following four Emergency Classes:

Notification of Unusual Event
Alert
Site Area Emergency
General Emergency

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- 4.4 Emergency Direction and Control - Overall direction of facility response which must include the non-delegable responsibilities for the decision to notify and to recommend protective actions to Arkansas Department of Health personnel and other authorities responsible for offsite emergency measures. With activation of the EOF, the EOF Director typically assumes the responsibility for Emergency Direction and Control. The management of on-site facility activities to mitigate accident consequences remains with the TSC Director in the Technical Support Center. The Shift Manager retains responsibility for the Control Room and plant systems operation.
- 4.5 Emergency Operations Facility (EOF) - A near-site emergency response facility located approximately 0.65 miles northeast of the reactor buildings (the ANO Training Center).
- 4.6 Emergency Planning Zone (EPZ) - The EPZ considered by this procedure is the inhalation zone, that area within approximately a 10-mile radius of ANO.
- 4.7 Emergency Response Data System (ERDS) - A channel over which the raw reactor parametric data, i.e., SPDS information, is transmitted from the site to the NRC Operations Center (NRCOC). This system is activated from the RDACS terminal located in either Control Room or in the Technical Support Center and should be activated within one hour of an ALERT or higher emergency class declaration.
- 4.8 Emergency Response Organization (ERO) - The organization which is composed of the Initial Response Staff (IRS), the EOF staff, the TSC staff, the OSC staff, and the Emergency Team members. It has the capability to provide manpower and other resources necessary for immediate and long-term response to an emergency situation.
- 4.9 Evacuation Routes - Routes used by ANO personnel that may be used to exit the plant site in the event of a plant or exclusion area evacuation, defined as follows:
- 4.9.1 Evacuation Route 1 - From the main guard station, proceed East along the intake canal to May Road, then North to State Road 333.
- 4.9.2 Evacuation Route 2 - From the main guard station, proceed West, then North past the cooling tower and then sally port, using the North access road to State Road 333.
- 4.9.3 Evacuation Route 3 - From the main guard station, proceed West, then continue West along the West access road to Flatwood Road, and continue on Flatwood Road North to State Road 333.
- 4.10 General Emergency - Events are in progress or have occurred which involve actual or imminent substantial core degradation or melting with the potential for loss of containment integrity. Releases can be reasonably expected to exceed EPA Protective Action Guideline exposure levels off site for more than the immediate site area.

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- 4.11 Initial Response Staff (IRS) - The emergency organization primarily composed of plant personnel which must be able to augment the onsite plant personnel in accordance with Table B-1 of the Emergency Plan.
- 4.12 Offsite - Those areas outside the Exclusion Area boundary.
- 4.13 Offsite Release - For purposes of offsite notifications to the NRC, State and local governments, an offsite release will be defined as a release due to the event which exceeds the ODCM release limits.
- 4.14 Onsite - The area within the Exclusion Area Boundary.
- 4.15 Operational Support Center - Emergency response center within the ANO maintenance facility where support is coordinated for the following functions: Onsite Radiological Monitoring, Maintenance, Nuclear Chemistry, Emergency Medical Support and Fire Fighting Support. The OSC serves as the assembly point and briefing area for recovery/reentry teams and is located in the maintenance facility.
- 4.16 Notification of Unusual Event - Unusual events are in progress or have occurred which indicate a potential degradation of the level of safety of the plant. No releases of radioactive material requiring offsite response or monitoring are expected unless further degradation of safety systems occurs.
- 4.17 REAM (Radiological/Environmental Assessment Manager) - Responsible for managing radiological dose assessment and field monitoring activities. Provides offsite Protective Action Recommendations (PAR) to the EOF Director. Coordinates the ANO offsite radiological monitoring effort with the Arkansas Department of Health (ADH) and the NRC. The EOF HP Supervisor and the Dose Assessment Supervisor report to the REAM.
- 4.18 Site Area Emergency - Events are in progress or have occurred which involve actual or likely major failures of plant functions needed for protection of the public. Any releases are not expected to exceed EPA Protective Action Guideline exposure levels except near the site boundary.
- 4.19 Technical Support Center - The location within the ANO Plant Administration Building equipped with instrumentation and communication systems and facilities useful in monitoring the course of an accident.

5.0 RESPONSIBILITY AND AUTHORITY

5.1 SHIFT MANAGER

Has responsibility for implementation of response actions described in this procedure until relieved by the Technical Support Center Director or Emergency Operations Facility Director.

5.2 TECHNICAL SUPPORT CENTER DIRECTOR (TSC DIRECTOR)

Upon assumption of responsibility for Emergency Direction and Control the TSC Director is responsible for implementation of the response actions described in this procedure.

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5.3 EMERGENCY OPERATIONS FACILITY DIRECTOR (EOF DIRECTOR)

Upon assumption of responsibility for Emergency Direction and Control the Emergency Operations Facility Director is responsible for implementation of the response actions described in this procedure.

5.4 COMMUNICATORS

Communicators are responsible for performing emergency response notifications/communications.

5.5 EMERGENCY RESPONSE ORGANIZATION (ERO)

Members of the ERO are responsible to ensure completion of notifications as denoted on Attachment 5, "Alternate ERO Notification Scheme" if the ERO cannot be activated by the Computerized Notification System.

6.0 INSTRUCTIONS

6.1 EMERGENCY CLASSIFICATION AND NOTIFICATIONS

6.1.1 Implement the appropriate sections of this procedure whenever an emergency classification has been declared, escalated, or de-escalated as per 1903.010, "Emergency Action Level Classifications".

- A. Notification of Unusual Event, perform the actions as described in Attachment 1.
- B. Alert, perform the actions as described in Attachment 2.
- C. Site Area Emergency, perform the actions as described in Attachment 3.
- D. General Emergency, perform the actions as described in Attachment 4.

6.1.2 At the termination of the event, provide summaries to the Nuclear Regulatory Commission (NRC) and Arkansas Department of Health (ADH). Notify both parties of the event termination using Form 1903.011Y.

6.2 [PROTECTIVE ACTION RECOMMENDATIONS (PARs)]

6.2.1 The Shift Manager shall be responsible for issuing PARs to offsite authorities until relieved of Emergency Direction and Control by the TSC Director/EOF Director. The Shift Manager should rely on Nuclear Chemistry for the formulation of PARs based on radiological conditions and the Operations staff for the formulation of PARs based on plant conditions.

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6.2.2 The TSC Director, after assuming Emergency Direction and Control, is responsible for issuing PARs to offsite authorities until relieved by the EOF Director. The TSC Director should rely on the REAM for the formulation of PARs based on radiological conditions and the Operations/TSC staffs for the formulation of PARs based on plant conditions.

6.2.3 The EOF Director, after assuming Emergency Direction and Control, is responsible for issuing PARs to offsite authorities. The EOF Director should rely on the REAM for the formulation of PARs based on radiological conditions and the TSC Director for the formulation of PARs based on plant conditions.]

6.3 COURTESY CALLS

6.3.1 ANO has agreed to notify the STATE OF ARKANSAS for the following non-Emergency Class events:

- A. An UNPLANNED release of radioactive material has occurred OR may occur. (Refer to procedures 1604.015 or 1604.017 for definition of "unplanned release".)
- B. An UNPLANNED reactor trip from power has occurred.
- C. An event has occurred for which a news release is planned (refer to Station Directive A6.202, "Public Communications", Attachment 1). Potential Public Interest events, which will not require a news release, do not require a Courtesy Call (excluding Steps A and B above). The on-call EOF Director and Communications Manager should decide upon the initiation of a news release and inform the Shift Manager.
- D. A notification has been made OR will be made to other government agencies for events that have impacted OR will impact the public health and safety.

6.3.2 A Courtesy Call to the Arkansas Department of Health (ADH) should be made as soon as practicable following the event but no later than 4 hours following the event.

6.3.3 Notification to the NRC Operations Center shall be performed immediately following notification to the ADH but no later than 4 hours following the event.

6.3.4 Complete Form 1903.011DD, "Courtesy Call Notification Checklist". Proceed to section 6.4 upon completion of checklist.

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6.4 NON-EMERGENCY OFF-NORMAL EVENT NOTIFICATIONS

- 6.4.1 IF the off-normal event does not require an emergency class declaration,
THEN an "Information Only" notification to the following may be warranted:

Designated Entergy Management Representatives
NRC Resident Inspector
Arkansas Department of Health (in some cases)

- 6.4.2 A non-emergency off normal event notification should be performed if any of the following conditions exists:

A. A Courtesy Call is required per the above section.

[B. An NRC Reportable Non-Emergency Event has occurred

NRC Reportable Non-Emergency Event are events which are reportable in accordance with 10CFR50.72 but which do NOT meet the criteria for emergency class declaration as delineated in Procedure 1903.010, "Emergency Action Level Classification."

The "information only" notification described in this section is supplemental to the immediate notification required by regulations which are determined in accordance with Procedure 1000.104, "Condition Reporting Operability and Immediate Reportability Determinations."]

C. Shift Manager's Discretion

Any off-normal event for which the Shift Manager determines that notification to Entergy management representatives and the NRC Resident Inspector is prudent.

Examples for consideration include:

1. Bomb threats / security threats
2. Unplanned power changes $\geq 15\%$
3. Forced plant shutdown
4. Entry into Technical Specification 3.0.3
5. Unplanned entry into Technical Specification action statements ≤ 12 hours
6. Exceeding Technical Specification LCO out of service times
7. Industrial accidents in RCA resulting in transport by ambulance
8. Entry into any AOP except 1203.025 or 2203.008 for severe thunderstorm warning

- 6.4.3 The Shift Engineer (from either unit) should notify the appropriate parties using Attachment 11.

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[6.5 EMERGENCY RESPONSE DATA SYSTEM (ERDS)

- 6.5.1 The ERDS system is activated within one hour of an ALERT or higher emergency class classification. ERDS may be activated using the RDACS computer terminals located in either Control Room or in the Technical Support Center.
- A. On the RDACS terminal, exit System Status Screen (F10).
 - B. Select option 9 - ERDS subsystem on the Main Menu.
 - C. To start ERDS on Unit 1, select option 1.
 - D. To start ERDS on Unit 2, select option 3.
 - E. When emergency is over, select option 2 to stop ERDS on Unit 1, or select option 4 to stop ERDS on Unit 2.]

7.0 ATTACHMENTS AND FORMS

- 7.1 Attachment 1 - Notification of Unusual Event
- 7.2 Attachment 2 - Alert
- 7.3 Attachment 3 - Site Area Emergency
- 7.4 Attachment 4 - General Emergency
- 7.5 Attachment 5 - Alternate ERO Notification Scheme
- 7.6 Attachment 6 - Protective Action Recommendations (PAR) for General Emergency
- 7.7 Deleted Rev 027-00-0 Attachment 7 - Core Fuel Damage Assessment, Unit 1
- 7.8 Deleted Rev 027-00-0 Attachment 8 - Core Fuel Damage Assessment, Unit 2
- 7.9 Attachment 9 - Computerized Notification System (CNS) Instructions
- 7.10 Deleted Rev 027-00-0 and moved to 1903.011-Y & Z Attachment 10 - Emergency Class Notification Instructions
- 7.11 Attachment 11 - Non-Emergency Notifications of Off-Normal Events
- 7.12 Form 1903.011J - NUE Emergency Direction and Control Checklist
- 7.13 Form 1903.011M - Alert Emergency Direction and Control Checklist
- 7.14 Form 1903.011P - SAE Emergency Direction and Control Checklist, Shift Manager
- 7.15 Form 1903.011Q - SAE Emergency Direction and Control Checklist, TSC Director
- 7.16 Form 1903.011R - SAE Emergency Direction and Control Checklist, EOF Director

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- 7.17 Form 1903.011S - GE Emergency Direction and Control Checklist, Shift Manager
- 7.18 Form 1903.011T - GE Emergency Direction and Control Checklist, TSC Director
- 7.19 Form 1903.011U - GE Emergency Direction and Control Checklist, EOF Director
- 7.20 Deleted Rev 027-00-0 and moved to Procedure 1903.011-Y ~~-Form 1903.011Y - Emergency Class Initial Notification Message~~
- 7.21 Deleted Rev 027-00-0 and moved to Procedure 1903.011-Z ~~-Form 1903.011Z - Emergency Class Follow up Notification Message~~
- 7.22 Form 1903.011AA -Courtesy Call Notification Message
- 7.23 Deleted Rev 027-00-0 and moved to Procedure 1903.011-Y ~~-Form 1903.011BB -Initial Notification Checklist~~
- 7.24 Deleted Rev 027-00-0 and moved to Procedure 1903.011-Z ~~-Form 1903.011CC -Follow-up Notification Checklist~~
- 7.25 Form 1903.011DD -Courtesy Call Notification Checklist

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[ATTACHMENT 1

NOTIFICATION OF UNUSUAL EVENT]

Upon declaration of a Notification of Unusual Event, the person with the responsibility for Emergency Direction and Control shall:

- Complete the Emergency Direction and Control Checklist indicated below. Any steps that are not appropriate for the event may be marked 'Not Applicable' (N/A).
- Issue appropriate offsite protective action recommendations.
- Ensure that notifications are completed in accordance with the required time limits.

At the termination of the event, the Shift Manager/TSC Director/EOF Director should forward all forms and other pertinent documents to Emergency Planning.

Forms used for NUE notification and response are as follows:

Form 1903.011J, "NUE Emergency Direction and Control Checklist"

Electronic Form 1903.011-Y, "Emergency Class Initial Notification Message"

Electronic Form 1903.011-Z, "Emergency Class Follow-up Notification Message"

NUE

This form is intended to be used by the person with Emergency Direction and Control when a Notification of Unusual Event has been declared.

- ☐ 1. Notification of Unusual Event declared:

Unit _____ Time _____ Date _____

****EMERGENCY CLASSIFICATION ANNOUNCEMENT SHOULD BE MADE WITHIN
15 MINUTES OF THE DECLARATION****

- ☐ 2. EAL No. _____ Description: _____

- ☐ 3. Notification Communicator

☐ 3.1 Single Unit Emergency

- ☐ 1. Direct the affected unit SE to activate CNS (if not already performed for an NUE emergency class) in accordance with Attachment 9 of this procedure.
- ☐ 2. Direct the opposite unit SE to perform notifications using Form 1903.011-Y, Emergency Class Initial Notification Message.

☐ 3.2 Dual Unit Emergency

- ☐ 1. Direct the Unit 2 SE to activate CNS (if not already performed for an NUE emergency class) in accordance with Attachment 9 of this procedure.
- ☐ 2. Direct the Unit 1 SE to perform notifications using Form 1903.011-Y, Emergency Class Initial Notification Message.

☐ 3.3 Additional Notification Communicator is Available

IF a Notification Communicator is available,
THEN request the Notification Communicator to perform notifications in accordance with Form 1903.011-Y, Emergency Class Initial Notification Message.

- ☐ 4. Inform the Control Room staff of the Emergency Class declaration.
- ☐ 5. Make the following announcement over the plant paging system (dial 197):

"Attention all personnel. Attention all personnel. A Notification of Unusual Event has been declared on Unit _____ (One/Two). All personnel continue normal activities unless instructed otherwise."

- ☐ 5.1 Make the above announcement over the EOF Public Address System (dial 199 and pause approximately 15 seconds).

FORM TITLE: NUE EMERGENCY DIRECTION AND CONTROL CHECKLIST	FORM NO. 1903.011J	REV. 027-01-0
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- ☐ 6. IF on-site personnel hazards exist,
THEN direct implementation of protective actions as necessary.
- ☐ 6.1 Refer to Form 1903.030C, "Localized Evaluation Checklist", to determine if a localized evacuation will be performed.]
- ☐ 7. IF an approach route to the plant site should be avoided,
THEN instruct Security to direct incoming traffic. (Examples of this include security situations in which onsite/offsite personnel are directed to the EOF, radiological releases that prohibit entry to the site via either guard station, etc.)
- ☐ 8. Direct Chemistry personnel (Initial Dose Assessor) to implement procedure 1904.002, "Offsite Dose Projection - RDACS Computer Method".

Performed by: _____

FORM TITLE: NUE EMERGENCY DIRECTION AND CONTROL CHECKLIST	FORM NO. 1903.011J	REV. 027-01-0
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ATTACHMENT 2

ALERT

Upon declaration of an Alert, the person with the responsibility for Emergency Direction and Control shall:

- Complete the appropriate Emergency Direction and Control Checklist indicated below. Any steps that are not appropriate for the event may be marked 'Not Applicable' (N/A).
- Issue appropriate offsite protective action recommendations.
- Ensure that notifications are completed in accordance with the required time limits.

At the termination of the event, the Shift Manager/TSC Director/EOF Director should forward all forms and other pertinent documents to Emergency Planning.

Forms used for Alert notification and response are as follows:

Form 1903.011M, "Alert Emergency Direction and Control Checklist"

Electronic Form 1903.011-Y, "Emergency Class Initial Notification Message"

Electronic Form 1903.011-Z, "Emergency Class Follow-up Notification Message"

Attachment 5, Alternate ERO Notification Scheme

ALERT

This form is intended to be used by the person with Emergency Direction and Control when an Alert has been declared.

☐ 1. Alert declared: Unit _____ Time _____ Date _____

****EMERGENCY CLASSIFICATION ANNOUNCEMENT SHOULD BE MADE WITHIN
15 MINUTES OF THE DECLARATION****

☐ 2. Conditions warranting declaration of an Alert:
EAL No. _____ Description: _____

☐ 3. Notification Communicator

☐ 3.1 Single Unit Emergency

- ☐ 1. Direct affected unit SE to activate CNS (if not already performed for an Alert or higher emergency class) in accordance with Attachment 9 of this procedure.
- ☐ 2. Direct the opposite unit SE to perform notifications using Form 1903.011-Y, Emergency Class Initial Notification Message.

☐ 3.2 Dual Unit Emergency

- ☐ 1. Direct the Unit 2 SE to activate CNS (if not already performed for an Alert or higher emergency class) in accordance with Attachment 9 of this procedure.
- ☐ 2. Direct the Unit 1 SE to perform notifications using Form 1903.011Y of Form 1903.011-Y, Emergency Class Initial Notification Message.

☐ 3.3 Additional Notification Communicator is Available

- ☐ 1. IF a Notification Communicator is available, THEN request the Notification Communicator to perform notifications in accordance with Form 1903.011-Y, Emergency Class Initial Notification Message.

☐ 4. Inform the Control Room staff of the Emergency Class declaration.

☐ 5. Inform both units' operators in the field to log onto the Emergency RWP.

☐ 6. Make the following announcement over the plant paging system (dial 197):

"Attention all personnel. Attention all personnel. An Alert Emergency Class has been declared on Unit _____ (One/Two). Emergency response personnel report to your designated assembly areas. All other personnel continue normal activities unless instructed otherwise."

☐ 6.1 Make the above announcement over the EOF Public Address System (dial 199 and pause approximately 15 sec.)

FORM TITLE: ALERT EMERGENCY DIRECTION AND CONTROL CHECKLIST	FORM NO. 1903.011M	REV. 027-01-0
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- ☐ 7. IF on-site personnel hazards exits,
THEN direct implementation of protective actions as necessary.
- ☐ 7.1 Refer to Form 1903.030C, "Localized Evacuation Checklist", to determine if a localized evacuation will be performed.]
- ☐ 8. IF an approach route to the plant site should be avoided,
THEN instruct Security to direct incoming traffic. (Examples of this include security situations in which onsite/offsite personnel are directed to the EOF, radiological releases that prohibit entry to the site via either guard station, etc.)
- ☐ 9. Direct Chemistry personnel (Initial Dose Assessor) to the Control Room to implement procedure 1904.002, "Offsite Dose Projection - RDACS Computer Method".

Performed by: _____

FORM TITLE: ALERT EMERGENCY DIRECTION AND CONTROL CHECKLIST	FORM NO. 1903.011M	REV. 027-01-0
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ATTACHMENT 3
SITE AREA EMERGENCY

Upon declaration of a Site Area Emergency, the person with the responsibility for Emergency Direction and Control shall:

- Complete the appropriate Emergency Direction and Control Checklist indicated below for your position (i.e. SM, TSC Director, or EOF Director). Any steps that are not appropriate for the event may be marked 'Not Applicable' (N/A).
- Issue appropriate offsite protective action recommendations.
- Ensure that notifications are completed in accordance with the required time limits.

At the termination of the event, the Shift Manager/TSC Director/EOF Director should forward all forms and other pertinent documents to Emergency Planning.

Forms used for Site Area Emergency notification and response are as follows:

Form 1903.011P, "SAE Emergency Direction and Control Checklist, Shift Manager" (Shift Manager Only)

Form 1903.011Q, "SAE Emergency Direction and Control Checklist, TSC Director" (TSC Director Only)

Form 1903.011R, "SAE Emergency Direction and Control Checklist, EOF Director" (EOF Director Only)

Electronic Form 1903.011-Y, "Emergency Class Initial Notification Message"

Electronic Form 1903.011-Z, "Emergency Class Follow-up Notification Message"

Attachment 5, Alternate ERO Notification Scheme

SAE

This form is intended to be used by the SHIFT MANAGER when a Site Area Emergency has been declared and the Shift Manager has the responsibility for Emergency Direction and Control.

- ☐ 1. Site Area Emergency declared:

Unit _____ Time _____ Date _____

****EMERGENCY CLASSIFICATION / PLANT EVACUATION ANNOUNCEMENT SHOULD BE MADE WITHIN 15 MINUTES OF THE DECLARATION****

- ☐ 2. EAL No. _____ Description: _____

- ☐ 3. Notification Communicator

☐ 3.1 Single Unit Emergency

- ☐ 1. Direct affected unit SE to activate CNS (if not already performed for an Alert or higher emergency class) in accordance with Attachment 9 of this procedure.
- ☐ 2. Direct the opposite unit SE to perform notifications using Form 1903.011-Y, Emergency Class Initial Notification Message.

☐ 3.2 Dual Unit Emergency

- ☐ 1. Direct the Unit 2 SE to activate CNS (if not already performed for an Alert or higher emergency class) in accordance with Attachment 9 of this procedure.
- ☐ 2. Direct the Unit 1 SE to perform notifications using Form 1903.011-Y, Emergency Class Initial Notification Message.

☐ 3.3 Additional Notification Communicator is Available

- ☐ 1. IF a Notification Communicator is available, THEN request the Notification Communicator to perform notifications in accordance with Form 1903.011-Y, Emergency Class Initial Notification Message.

- ☐ 4. Inform the Control Room staff of the Emergency Class declaration.

FORM TITLE:

**SAE EMERGENCY DIRECTION AND CONTROL CHECKLIST
SHIFT MANAGER**

FORM NO.

1903.011P

REV.

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☐ 5. Has a plant evacuation been performed?

☐ NO - GO TO step 6.

☐ YES - THEN perform the following announcement:

☐ A. Dial 197

☐ B. Make the following announcement:

"Attention all personnel, Attention all personnel. A Site Area Emergency has been declared on Unit ____ (One/Two). Emergency response personnel report to your designated assembly areas."

☐ C. Repeat the above announcement using the EOF public address system by dialing 199 and pausing approximately 15 seconds before making the announcement.

☐ D. GO TO step 15.

Plant Evacuation Section

☐ 6. Determine the appropriate evacuation routes:

☐ 6.1 DOES a radiological or toxic gas release exist or is a release suspected, which is originating from the plant?

☐ YES - THEN determine the available routes from the chart below using wind direction.

IF wind direction is From: THEN use Evacuation Routes

150 to 225 degrees

☐ 1 and 3

226 to 325 degrees

☐ 2 and 3

326 to 45 degrees

☐ 1, 2 and 3

46 to 149 degrees

☐ 1

☐ NO - THEN use routes 1, 2 and 3 or any combination of routes.

☐ 6.2 Check the appropriate routes in the plant announcement Step 109 below.

☐ 7. Determine any areas of the plant to avoid during evacuation or special protective measures to be taken by plant evacuees.

☐ 8. Direct Security to perform the following (ext. 3388, 3108 or 3109):

☐ 8.1 If necessary, open and man the secondary guard station (if radiological conditions allow).

☐ 8.2 Perform initial accountability by _____ (Time)
(30 minutes from SAE declaration)

FORM TITLE:

SAE EMERGENCY DIRECTION AND CONTROL CHECKLIST
SHIFT MANAGER

FORM NO.

1903.011P

REV.

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☐9. Contact Radiation Protection (CA1 - 5166 or CA2 - 3018):

☐9.1 Request Health Physics coverage at the plant exit portal monitors.

☐9.2 Instruct Health Physics personnel at the controlled access exit point to relax decontamination and radiation protection measures as necessary in order to expedite evacuation of the controlled access area.

☐10. [Make the following announcement using the plant paging system (dial 197):

"Attention all personnel. Attention all personnel. A Site Area Emergency has been declared on Unit ____ (One/Two). Emergency response and emergency standby personnel report to your designated assembly areas and perform initial accountability. All other personnel evacuate the plant using evacuation route(s) ☐ 1 ☐ 2 ☐ 3 and proceed to the Atkins Emergency Worker Center."

If necessary, include in the announcement any plant areas to avoid, or special protective actions to be taken by plant evacuees: _____

☐10.1 Sound the evacuation alarm for approximately 10 seconds.

☐10.2 Repeat the announcement at least 2 times, alternating the announcement with the plant evacuation alarm.]

☐11. Make the following announcement using the EOF public address system (dial 199 and pause approximately 15 seconds).

"Attention all personnel. Attention all personnel. A Site Area Emergency has been declared on Unit ____ (One/Two). Emergency response personnel report to your designated assembly areas."

☐12. Instruct all Control Room personnel (operators, chemists, RP, etc.) to log into the designated security card reader using "0000".

☐13. Instruct both units' operators in the field to log into the nearest security card reader using "0000" and log onto the emergency RWP.

☐14. Inform the opposite unit Control Room personnel to log into the designated security card reader using "0000".

FORM TITLE: SAE EMERGENCY DIRECTION AND CONTROL CHECKLIST SHIFT MANAGER	FORM NO. 1903.011P	REV. 027-01-0
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- ☐ 15. IF the incident extends into the Exclusion Area,
THEN consider an Exclusion Area Evacuation. Perform the following if an
Exclusion Area Evacuation is deemed necessary:
- ☐ 15.1 Request that the U.S. Army Corps of Engineers (telephone number
located in Emergency Telephone Directory) control boat access to the
portions of Lake Dardanelle within the exclusion area.
- ☐ 15.2 Direct Security to evacuate the Generation Support Building (GSB) and
all buildings outside the security fence but within the exclusion
area.

Plant Evacuation Section Ends

- ☐ 16. Direct Chemistry personnel (Initial Dose Assessor) to the Control Room to
implement procedure 1904.002, "Offsite Dose Projection - RDACS Computer
Method".
- ☐ 17. IF an approach route to the plant site should be avoided,
THEN instruct Security to direct incoming traffic. (Examples of this include
security situations in which onsite/offsite personnel are directed to the EOF,
radiological releases that prohibit entry to the site via either guard
station, etc.)

Performed by: _____
Shift Manager

FORM TITLE: SAE EMERGENCY DIRECTION AND CONTROL CHECKLIST SHIFT MANAGER	FORM NO. 1903.011P	REV. 027-01-0
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SAE

This form is intended to be used by the TSC DIRECTOR when a Site Area Emergency has been declared and the TSC Director has the responsibility for Emergency Direction and Control.

☐ 1. Site Area Emergency declared:

Unit _____ Time _____ Date _____

****EMERGENCY CLASSIFICATION / PLANT EVACUATION ANNOUNCEMENT SHOULD BE MADE WITHIN 15 MINUTES OF THE DECLARATION****

☐ 2. EAL No. _____ Description: _____

☐ 3. Direct the Communicator to initiate notifications using Form 1903.011-Y, "Emergency Class Initial Notification Message".

☐ 3.1 Assign additional personnel to assist as necessary.

☐ 4. Has a plant evacuation been performed?

☐ NO - THEN proceed to step 5.

☐ YES - THEN perform the following announcement:

☐ A. Dial 197

☐ B. Make the following announcement:

"Attention all personnel. Attention all personnel. A Site Area Emergency has been declared on Unit ____ (One/Two). Emergency response personnel report to your designated assembly areas."

☐ C. Repeat the above announcement using the EOF public address system by dialing 199 and pausing approximately 15 seconds before making the announcement.

☐ D. GO TO step 14.

FORM TITLE:

SAE EMERGENCY DIRECTION AND CONTROL CHECKLIST TSC DIRECTOR

FORM NO.

1903.011Q

REV.

027-01-0

Plant Evacuation Section

☐ 5. Determine the appropriate evacuation routes:

☐ 5.1 DOES a radiological or toxic gas release exist or is a release suspected, which is originating from the plant?

☐ YES - THEN determine the available routes from the chart below using wind direction.

IF wind direction is From: THEN use Evacuation Routes

150 to 225 degrees	<input type="checkbox"/> 1 and 3
226 to 325 degrees	<input type="checkbox"/> 2 and 3
326 to 45 degrees	<input type="checkbox"/> 1, 2 and 3
46 to 149 degrees	<input type="checkbox"/> 1

☐ NO - THEN use routes 1, 2 and 3 or any combination of routes.

☐ 5.2 Check the appropriate routes in the plant announcement step 10 below.

☐ 6. Determine any areas of the plant to avoid during evacuation or special protective measures to be taken by plant evacuees.

☐ 7. Direct Security to perform the following (ext. 3388, 3108 or 3109):

☐ 7.1 If necessary, open and man the secondary guard station (if radiological conditions allow).

☐ 7.2 Perform initial accountability by _____ (Time)
(30 minutes from SAE declaration)

☐ 8. Contact Radiation Protection (CA1 ext. 5166 or CA2 ext. 3018):

☐ 8.1 Request Health Physics coverage at the plant exit portal monitors.

☐ 8.2 Instruct Health Physics personnel at the controlled access exit point to relax decontamination and radiation protection measures as necessary in order to expedite evacuation of the controlled access area.

☐ 9. Contact the Control Room (Unit 1 or Unit 2) and request either the Status Board Communicator (recommended) or a crew member to sound the plant evacuation alarm for 10 seconds after each plant evacuation announcement.

FORM TITLE:

SAE EMERGENCY DIRECTION AND CONTROL CHECKLIST TSC DIRECTOR

FORM NO.

1903.011Q

REV.

027-01-0

- ☐ 10. [Make the following announcement using the plant paging system (dial 197):

"Attention all personnel. Attention all personnel. A Site Area Emergency has been declared on Unit ____ (One/Two). Emergency response and emergency standby personnel report to your designated assembly areas and perform initial accountability. All other personnel evacuate the plant using evacuation route(s) ☐ 1 ☐ 2 ☐ 3 and proceed to the Atkins Emergency Worker Center."

If necessary, include in the announcement any plant areas to avoid, or special protective actions to be taken by plant evacuees: _____

- ☐ 10.1 Pause until the Control Room sounds the plant evacuation alarm for approximately 10 seconds.
- ☐ 10.2 Repeat the announcement at least 2 times, alternating the announcement with the plant evacuation alarm.]
- ☐ 11. Make the following announcement using the EOF public address system (dial 199 and pause approximately 15 seconds).
- "Attention all personnel. Attention all personnel. A Site Area Emergency has been declared on Unit ____ (One/Two). Emergency response personnel report to your designated assembly areas."
- ☐ 12. Instruct the TSC/OSC personnel to log into the designated security card reader using "0000".
- ☐ 13. Request the Shift Manager of both Control Room's to perform the following:
- ☐ 13.1 Instruct Control Room personnel (operators, chemists, RP, etc.) to log into the designated security card reader using "0000".
- ☐ 13.2 Instruct both units' operators in the field to log into the nearest security card reader using "0000" and log onto the emergency RWP.
- ☐ 14. IF the incident extends into the Exclusion Area, THEN consider an Exclusion Area Evacuation. Perform the following if an Exclusion Area Evacuation is deemed necessary:
- ☐ 14.1 Request that the U.S. Army corps of Engineers (telephone number located in Emergency Telephone Directory) control boat access to the portions of Lake Dardanelle within the exclusion area.
- ☐ 14.2 Direct Security to evacuate the Generation Support Building (GSB) and all buildings outside the security fence but within the exclusion area.

Plant Evacuation Section Ends

FORM TITLE: SAE EMERGENCY DIRECTION AND CONTROL CHECKLIST TSC DIRECTOR	FORM NO. 1903.011Q	REV. 027-01-0
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- ☐ 15. Direct Chemistry personnel (Initial Dose Assessor) to the Control Room to implement procedure 1904.002, "Offsite Dose Projection - RDACS Computer Method".
- ☐ 16. IF an approach route to the plant site should be avoided, THEN instruct Security to direct incoming traffic.

Performed by : _____
 Technical Support Center Director

FORM TITLE: SAE EMERGENCY DIRECTION AND CONTROL CHECKLIST TSC DIRECTOR	FORM NO. 1903.011Q	REV. 027-01-0
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SAE

This form is intended to be used by the EOF DIRECTOR when a Site Area Emergency has been declared and the EOF Director has the responsibility for Emergency Direction and Control.

☐ 1. Site Area Emergency declared: Unit _____ Time _____ Date _____

****EMERGENCY CLASSIFICATION / PLANT EVACUATION ANNOUNCEMENT SHOULD BE MADE WITHIN 15 MINUTES OF THE DECLARATION****

☐ 2. Has a plant evacuation been performed?

☐ **NO** - THEN immediately request the TSC Director to perform the Plant Evacuation Section of Form 1903.011Q, "SAE Emergency Direction And Control Checklist TSC Director." If the TSC Director is not available then request the Shift Manager to perform the Plant Evacuation Section of Form 1903.011P, "SAE Emergency Direction And Control Checklist Shift Manager." Go to step 3.

☐ **YES** - THEN perform the following:

☐ A. Dial 199

☐ B. Make the following announcement:

"Attention all personnel. Attention all personnel. A Site Area Emergency has been declared on Unit ____ (One/Two). Emergency response personnel report to your designated assembly areas."

☐ C. Repeat the above announcement using the plant public address system by dialing 197 and pausing approximately 15 seconds before making the announcement.

☐ 3. Direct the Communicator to initiate notifications using Form 1903.011-Y, "Emergency Class Initial Notification Message."

☐ 3.1 Assign additional personnel to assist as necessary.

☐ 4. Conditions warranting declaration of a Site Area Emergency:
EAL NO. _____ Description: _____

☐ 5. Announce emergency class declaration to the EOF staff.

☐ 6. Request the TSC Director to evaluate the need for an Exclusion Area Evacuation in accordance with Form 1903.011Q, "SAE Emergency Direction And Control Checklist TSC Director" step 14.

☐ 7. Direct Chemistry personnel (Initial Dose Assessor) to the Control Room to implement procedure 1904.002, "Offsite Dose Projection - RDACS Computer Method".

Performed by: _____
Emergency Operations Facility Director

FORM TITLE: SAE EMERGENCY DIRECTION AND CONTROL CHECKLIST EOF DIRECTOR	FORM NO. 1903.011R	REV. 027-01-0
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PROC./WORK PLAN NO. 1903.011	PROCEDURE/WORK PLAN TITLE: EMERGENCY RESPONSE/NOTIFICATIONS	PAGE: 28 of 55 CHANGE: 027-01-0
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ATTACHMENT 4
GENERAL EMERGENCY

Upon declaration of a General Emergency, the person with the responsibility for Emergency Direction and Control shall:

- Complete the appropriate Emergency Direction and Control Checklist indicated below for your position (i.e. SM, TSC Director, or EOF Director). Any steps that are not appropriate for the event may be marked 'Not Applicable' (N/A).
- Issue appropriate offsite protective action recommendations.
- Ensure that notifications are completed in accordance with the required time limits.

At the termination of the event, the Shift Manager/TSC Director/EOF Director should forward all forms and other pertinent documents to Emergency Planning.

Forms used for General Emergency notification and response are as follows:

Form 1903.011S, "GE Emergency Direction and Control Checklist, Shift Manager"
(Shift Manager Only)

Form 1903.011T, "GE Emergency Direction and Control Checklist, TSC Director"
(TSC Director Only)

Form 1903.011U, "GE Emergency Direction and Control Checklist, EOF Director"
(EOF Director Only)

Electronic Form 1903.011-Y, "Emergency Class Initial Notification Message"

Electronic Form 1903.011-Z, "Emergency Class Follow-up Notification Message"

Attachment 5, Alternate ERO Notification Scheme

Attachment 6, Protective Action Recommendations (PAR) for General Emergency

GE

This form is intended to be used by the SHIFT MANAGER when a General Emergency has been declared and the Shift Manager has the responsibility for emergency Direction and Control.

- ☐ 1. General Emergency declared:

Unit _____ Time _____ Date _____

****EMERGENCY CLASSIFICATION / PLANT EVACUATION ANNOUNCEMENT SHOULD BE MADE
WITHIN 15 MINUTES OF THE DECLARATION****

- ☐ 2. Conditions warranting declaration of a General Emergency:

EAL No. _____ Description: _____

- ☐ 3. Notification Communicator

☐ 3.1 Single Unit Emergency

- ☐ 1. Direct the affected unit SE to activate CNS (if not already performed for an Alert or higher emergency class) in accordance with Attachment 9 of this procedure.
- ☐ 2. Direct the opposite unit SE to perform notifications using Form 1903.011-Y, "Emergency Class Initial Notification Message."

☐ 3.2 Dual Unit Emergency

- ☐ 1. Direct the Unit 2 SE to activate CNS (if not already performed for an Alert or higher emergency class) in accordance with Attachment 9 of this procedure.
- ☐ 2. Direct the Unit 1 SE to perform notifications using Form 1903.011-Y, "Emergency Class Initial Notification Message."

☐ 3.3 Additional Notification Communicator is Available

- ☐ 1. IF a Notification Communicator is available, THEN request the Notification Communicator to perform notifications in accordance with Form 1903.011-Y, "Emergency Class Initial Notification Message."

- ☐ 4. Inform the Control Room staff of the Emergency Class declaration.

FORM TITLE: GE EMERGENCY DIRECTION AND CONTROL CHECKLIST SHIFT MANAGER	FORM NO. 1903.011S	REV. 027-01-0
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- ☐ 5. Has a plant evacuation been performed,
- ☐ NO - GO TO Step 6
- ☐ YES - THEN perform the following:
- ☐ A. Dial 197
- ☐ B. Make the following announcement:
- "Attention all personnel. Attention all personnel. A General Emergency has been declared on Unit ____ (One/Two). Emergency response personnel report to your designated assembly areas."
- ☐ C. Repeat the above announcement using the EOF public address system by dialing 199 and pausing approximately 15 seconds before making the announcement.
- ☐ D. GO TO step 15.

Plant Evacuation Section

- ☐ 6. Determine the appropriate evacuation routes:
- ☐ 6.1 DOES a radiological or toxic gas release exist or is a release suspected, which is originating from the plant?
- ☐ YES - THEN determine the available routes from the chart below using wind direction.
- | | |
|-----------------------------------|-------------------------------------|
| <u>IF</u> wind direction is From: | <u>THEN</u> use Evacuation Routes |
| 150 to 225 degrees | <input type="checkbox"/> 1 and 3 |
| 226 to 325 degrees | <input type="checkbox"/> 2 and 3 |
| 326 to 45 degrees | <input type="checkbox"/> 1, 2 and 3 |
| 46 to 149 degrees | <input type="checkbox"/> 1 |
- ☐ NO - THEN use routes 1, 2 and 3 or any combination of routes.
- ☐ 6.2 Check the appropriate routes in the plant announcement, step 10 below.
- ☐ 7. Determine any areas of the plant to avoid during evacuation and/or special protective measures to be taken by plant evacuees. List these instructions in plant announcement Step 10 below.
- ☐ 8. Direct Security to perform the following (ext. 3388, 3108 or 3109):
- ☐ 8.1 If necessary, open and man the secondary guard station (if radiological conditions allow).
- ☐ 8.2 Perform initial accountability by _____ (Time)
(30 minutes from GE declaration)

FORM TITLE:

GE EMERGENCY DIRECTION AND CONTROL CHECKLIST
SHIFT MANAGER

FORM NO.

1903.011S

REV.

027-01-0

☐ 9. Contact Radiation Protection (CA1 - 5166 or CA2 - 3018):

☐ 9.1 Request Health Physics coverage at the plant exit portal monitors.

☐ 9.2 Instruct Health Physics personnel at the controlled access exit point to relax decontamination and radiation protection measures as necessary in order to expedite evacuation of the controlled access area.

☐ 10. [Make the following announcement using the plant paging system (dial 197):

"Attention all personnel. Attention all personnel. A General Emergency has been declared on Unit ____ (One/Two). Emergency response and emergency standby personnel report to your designated assembly areas and perform initial accountability. All other personnel evacuate the plant using evacuation route(s) ☐ 1 ☐ 2 ☐ 3 and proceed to the Atkins Emergency Worker Center."

If necessary, include in the announcement any plant areas to avoid, or special protective actions to be taken by plant evacuees: _____

☐ 10.1 Sound the evacuation alarm for approximately 10 seconds.

☐ 10.2 Repeat the announcement at least 2 times, alternating the announcement with the plant evacuation alarm.]

☐ 11. Make the following announcement using the EOF public address system (dial 199 and pause approximately 15 seconds).

"Attention all personnel. Attention all personnel. A General Emergency has been declared on Unit ____ (One/Two). Emergency response personnel report to your designated assembly areas."

☐ 12. Instruct all Control Room personnel (operators, chemists, RP, etc.) to log into the designated security card reader using "0000".

☐ 13. Instruct both units' operators in the field to log into the nearest security card reader using "0000" and log onto the emergency RWP.

☐ 14. Inform the opposite unit Control Room personnel to log into the designated security card reader using "0000".

FORM TITLE:

GE EMERGENCY DIRECTION AND CONTROL CHECKLIST
SHIFT MANAGER

FORM NO.

1903.011S

REV.

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☐ 15. Has an exclusion area evacuation been performed?

☐ YES - GO TO Step 16.

☐ NO - THEN perform the following:

☐ Request that the U.S. Army Corps of Engineers (telephone number located in Emergency Telephone Directory) control boat access to the portions of Lake Dardanelle within the exclusion area.

☐ Direct Security to evacuate the Generation Support Building (GSB) and all buildings outside the security fence but within the exclusion area.

Plant Evacuation Section Ends

☐ 16. Determine the appropriate Protective Action Recommendation using Attachment 6, "Protective Action Recommendations (PAR) for General Emergency".

PAR No. _____

Review PAR criteria every 15 minutes. Notify within 15 minutes the NRC, State and local government of PAR changes in accordance with Form 1903.011-Y, "Emergency Class Initial Notification Message."

☐ 17. Direct Chemistry personnel (Initial Dose Assessor) to the Control Room to implement procedure 1904.002, "Offsite Dose Projection - RDACS Computer Method".

☐ 18. IF an approach route to the plant site should be avoided, THEN instruct Security to direct incoming traffic. (Examples of this include security situations in which onsite/offsite personnel are directed to the EOF, radiological releases which prohibit entry to the site via either guard station, etc.)

Performed by : _____
Shift Manager

FORM TITLE: GE EMERGENCY DIRECTION AND CONTROL CHECKLIST SHIFT MANAGER	FORM NO. 1903.011S	REV. 027-01-0
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GE

This form is intended to be used by the TSC DIRECTOR when a General Emergency has been declared and the TSC Director has the responsibility for Emergency Direction and Control.

- ☐ 1. General Emergency declared:

Unit _____ Time _____ Date _____

****EMERGENCY CLASSIFICATION / PLANT EVACUATION ANNOUNCEMENT SHOULD BE MADE
WITHIN 15 MINUTES OF THE DECLARATION****

- ☐ 2. Conditions warranting declaration of a General Emergency:

EAL No. _____ Description: _____

- ☐ 3. Direct the Communicator to initiate notifications using Form 1903.011-Y, "Emergency Class Initial Notification Message".

☐ 3.1 Assign additional personnel to assist as necessary.

- ☐ 4. Has a plant evacuation been performed?

☐ NO - Go To step 5

☐ YES - perform the following:

☐ A. Dial 197

☐ B. Make the following announcement:

"Attention all personnel. Attention all personnel. A General Emergency has been declared on Unit ____ (One/Two). Emergency response personnel report to your designated assembly areas."

☐ C. Repeat the above announcement using the EOF public address system by dialing 199 and pausing approximately 15 seconds before making the announcement.

☐ D. GO TO step 14.

FORM TITLE:

GE EMERGENCY DIRECTION AND CONTROL CHECKLIST TSC DIRECTOR

FORM NO.

1903.011T

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Plant Evacuation Section

☐ 5. Determine the appropriate evacuation routes:

☐ 5.1 DOES a radiological or toxic gas release exist or is a release suspected, which is originating from the plant?

☐ YES - THEN determine the available routes from the chart below using wind direction.

IF wind direction is From: THEN use Evacuation Routes

150 to 225 degrees	<input type="checkbox"/> 1 and 3
226 to 325 degrees	<input type="checkbox"/> 2 and 3
326 to 45 degrees	<input type="checkbox"/> 1, 2 and 3
46 to 149 degrees	<input type="checkbox"/> 1

☐ NO - THEN use routes 1,2 and 3 or any combination of routes.

☐ 5.2 Check the appropriate routes in the plant announcement step 10 below.

☐ 6. Determine any areas of the plant to avoid during evacuation or special protective measures to be taken by plant evacuees.

☐ 7. Direct Security to perform the following (ext. 3388, 3108 or 3109):

☐ 7.1 If necessary, open and man the secondary guard station (if radiological conditions allow).

☐ 7.2 Perform initial accountability by _____ (Time)
(30 minutes from GE declaration)

☐ 8. Contact Radiation Protection (CA1 - 5166 or CA2 - 3018):

☐ 8.1 Request Health Physics coverage at the plant exit portal monitors.

☐ 8.2 Instruct Health Physics personnel at the controlled access exit point to relax decontamination and radiation protection measures as necessary in order to expedite evacuation of the controlled access area.

☐ 9. Contact the Control Room (Unit 1 or Unit 2) and request either the Status Board Communicator (recommended) or a crew member to sound the plant evacuation alarm for 10 seconds after each plant evacuation announcement.

FORM TITLE:

GE EMERGENCY DIRECTION AND CONTROL CHECKLIST TSC DIRECTOR

FORM NO.

1903.011T

REV.

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- ☐ 10. [Make the following announcement using the plant paging system (dial 197):

"Attention all personnel. Attention all personnel. A General Emergency has been declared on Unit ____ (One/Two). Emergency response and emergency standby personnel report to your designated assembly areas and perform initial accountability. All other personnel evacuate the plant using evacuation route(s) ☐ 1 ☐ 2 ☐ 3 and proceed to the Atkins Emergency Worker Center."

If necessary, include in the announcement any plant areas to avoid, or special protective actions to be taken by plant evacuees: _____

- ☐ 10.1 Pause until the Control Room sounds the plant evacuation alarm for approximately 10 seconds.

- ☐ 10.2 Repeat the announcement at least 2 times, alternating the announcement with the plant evacuation alarm.]

- ☐ 11. Make the following announcement using the EOF public address system (dial 199 and pause approximately 15 seconds).

"Attention all personnel. Attention all personnel. A General Emergency has been declared on Unit ____ (One/Two). Emergency response personnel report to your designated assembly areas."

- ☐ 12. Request the Shift Manager's of both Control Rooms to perform the following:

- ☐ 12.1 Instruct all Control Room personnel (operators, chemists, RP, etc.) to log into the designated security card reader using "0000".

- ☐ 12.2 Instruct both units' operators in the field to log into the nearest security card reader using "0000" and log onto the emergency RWP.

- ☐ 13. Instruct the TSC/OSC personnel to log into the designated security card reader using "0000".

- ☐ 14. Has an Exclusion Area evacuation been performed?

- ☐ YES - Go To Step 15

- ☐ NO - THEN perform the following:

- ☐ Request that the U.S. Army corps of Engineers (Emergency Telephone Directory, section 6) to control boat access to the portions of Lake Dardanelle within the exclusion area.

- ☐ Direct Security to evacuate the Generation Support Building (GSB) and all buildings outside the security fence but within the exclusion area.

Plant Evacuation Section Ends

FORM TITLE:

GE EMERGENCY DIRECTION AND CONTROL CHECKLIST TSC DIRECTOR

FORM NO.

1903.011T

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- ☐ 15. Determine the appropriate Protective Action Recommendation using Attachment 6, "Protective Action Recommendations (PAR) for General Emergency".

PAR No. _____

Review PAR criteria every 15 minutes. Notify within 15 minutes the NRC, State and local government of PAR changes in accordance with Form 1903.011-Y, "Emergency Class Initial Notification Message."

- ☐ 16. Direct Chemistry personnel (Initial Dose Assessor) to the Control Room to implement procedure 1904.002, "Offsite Dose Projection - RDACS Computer Method".
- ☐ 17. IF an approach route to the plant site should be avoided, THEN instruct Security to direct incoming traffic.

Performed by: _____
Technical Support Center Director

FORM TITLE:

GE EMERGENCY DIRECTION AND CONTROL CHECKLIST TSC DIRECTOR

FORM NO.

1903.011T

REV.

027-01-0

GE

This form is intended to be used by the EOF DIRECTOR when a General Emergency has been declared and the EOF Director has the responsibility for Emergency Direction and Control.

- ☐ 1. General Emergency declared:

Unit _____ Time _____ Date _____

****EMERGENCY CLASSIFICATION AND PLANT EVACUATION ANNOUNCEMENT SHOULD BE MADE WITHIN 15 MINUTES OF THE DECLARATION****

- ☐ 2. Has a plant evacuation been performed?

☐ **NO** - THEN immediately request the TSC Director to perform the Plant Evacuation Section of Form 1903.011T of this procedure. If the TSC Director is not available then request the Shift Manager to perform the Plant Evacuation Section of Form 1903.011S. Go to step 3.

☐ **YES** - Perform the following:

☐ A. Dial 199

☐ B. Make the following announcement:

"Attention all personnel. Attention all personnel. A General Emergency has been declared on Unit ____ (One/Two). Emergency response personnel report to your designated assembly areas."

☐ C. Repeat the above announcement using the plant public address system by dialing 197 and pausing approximately 15 seconds before making the announcement.

- ☐ 3. Direct the Communicator to initiate notifications using Form 1903.011-Y, "Emergency Class Initial Notification Message".

☐ 3.1 Assign additional personnel to assist as necessary.

- ☐ 4. Conditions warranting declaration of a General Emergency:

EAL No. _____ Description: _____

- ☐ 5. Determine the appropriate Protective Action Recommendation using Attachment 6, "Protective Action Recommendations (PAR) for General Emergency".

PAR No. _____

REAM Review: _____

Review PAR criteria every 15 minutes. Notify within 15 minutes the NRC, State and local government of PAR changes in accordance with Form 1903.011-Y, "Emergency Class Initial Notification Message."

- ☐ 6. Announce emergency class declaration to the EOF staff.

FORM TITLE:

GE EMERGENCY DIRECTION AND CONTROL CHECKLIST EOF DIRECTOR

FORM NO.

1903.011U

REV.

027-01-0

- ☐ 7. Request the TSC Director to perform an exclusion area evacuation if the evacuation has not already been performed in accordance with Form 1903.011T, "GE Emergency Direction and Control Checklist TSC Director", step 14.
- ☐ 8. Direct Chemistry personnel (Initial Dose Assessor) to the Control Room to implement procedure 1904.002, "Offsite Dose Projection - RDACS Computer Method".

Performed by: _____
Emergency Operations Facility Director

FORM TITLE:

GE EMERGENCY DIRECTION AND CONTROL CHECKLIST EOF DIRECTOR

FORM NO.

1903.011U

REV.

027-01-0

COURTESY CALL NOTIFICATION MESSAGE

Use for COURTESY CALLS

MESSAGE:

This is _____ at Arkansas Nuclear One. My
(Communicator's name)
phone number is (479) 858-_____.

This COURTESY CALL is being made because:

- ☐ An UNPLANNED release of radioactive material has occurred OR may occur.
☐ An UNPLANNED reactor trip from power has occurred.
☐ An event has occurred for which a news release is planned.
☐ A notification has been made or will be made to other government agencies for events that have impacted or will impact the public health and safety.

At _____ on _____ the following event(s) occurred on
(time) (date)

- ☐ UNIT 1
☐ UNIT 2
☐ The ANO Site

(describe event): _____

APPROVED: _____
Shift Manager

FORM TITLE:

COURTESY CALL NOTIFICATION MESSAGE

FORM NO.

1903.011AA

REV.

027-01-0

Actions for Courtesy Calls

NOTE

Courtesy Calls are required for the following NON-Emergency Class events:

- An UNPLANNED release of radioactive material has occurred OR may occur.
- An UNPLANNED reactor trip from power has occurred.
- An event has occurred for which a news release is planned.
- A notification has been made or will be made to other government agencies for events that have impacted or will impact the public health and safety.

NOTE

Notification to the ADH and the NRC **SHOULD** be made as soon as practical but NOT later than four hours following the event.

INSTRUCTIONS**CONTINGENCY ACTIONS**

- 1. Complete 1903.011AA.

1. None

NOTE

Use of DEM Emergency Action Authenticator may be required when contacting agencies by non-dedicated phone.

- 2. Use non-dedicated fax to send 1903.011AA to ADH at *9-1-501-671-1406*.

Time: _____ Date: _____

2. Call ADH at *9-1-501-661-2136* and verbally provide the information from 1903.011AA.

Time: _____ Date: _____

IF ADH cannot be contacted by phone, THEN contact DEM by phone at *9-1-501-730-9750* or by radio (Channel 6 unscrambled) and request them to relay notification to ADH.

- 3. Confirm fax receipt by calling ADH at *9-1-501-661-2136*. (Alternate number *9-1-800-633-1735*)

Person Contacted _____ Time _____

3. IF ADH cannot be contacted by phone, THEN contact DEM by phone at *9-1-501-730-9750* or by radio (Channel 6 unscrambled) and request them to relay notification to ADH.

- 4. Start CNS using Att. 9, Section 3

4. Perform Att. 11, step 4

- 5. Complete the NRC Event Notification Worksheet (NRC Form 361).

5. None

- 6. Use ENS phone to transmit information from NRC Form 361 to NRC.

Person Contacted _____ Time _____

6. Use commercial phone at *9-1-301-816-5100* to transmit information from NRC Form 361 to NRC.

Person Contacted _____ Time _____

FORM TITLE:

COURTESY CALL NOTIFICATION CHECKLIST

FORM NO.

1903.011DD

REV.

027-01-0

7. Fax NRC Form 361 to the NRC Operations Center at *9-1-301-816-5151*. | 7. None

Actions performed by: _____ (name) _____ (date) _____ (time)

NOTE

The material contained within the symbols (*) is proprietary or private information.

Upon termination of event, copies of Notification Forms, Checklists and other related documentation should be forwarded to Emergency Planning. Originals should be submitted to ANO records.

FORM TITLE:

COURTESY CALL NOTIFICATION CHECKLIST

FORM NO.

1903.011DD

REV.

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ATTACHMENT 5

ERO NOTIFICATION SCHEME

Notification via Computerized Notification System (CNS)

The Control Room Shift Engineer or a Notification Communicator will initiate CNS for an Alert or higher emergency classification in accordance with Attachment 9.

Once CNS is activated, the following notifications steps are performed:

1. CNS will activate the pager "all call" to notify ERO members carrying pagers.
2. CNS will call individual ERO personnel based on priority assigned by Emergency Planning by: first calling individuals pager (if ERO member carries a pager), second CNS will call the ERO members office telephone and home telephone (during normal working hours office telephone is called first and during off hours home telephone will be called first).

Notification with Computerized Notification System (CNS) Inoperable

If CNS is inoperable, then the Control Room Shift Engineer or Notification Communicator will initiate call out using the pager system and a set of codes to inform the ERO of the site emergency status in accordance with Attachment 9:

- "1111" for a Unit 1 Alert or higher emergency class.
- "2222" for a Unit 2 Alert or higher emergency class.
- "333" or "444" for a Unit 1 or Unit 2 respectively Alert or higher emergency class during drills/exercises.

The following ERO positions are required to call ERO support personnel in the event CNS is inoperable because these personnel do not carry pagers or are not notified by the local pager service.

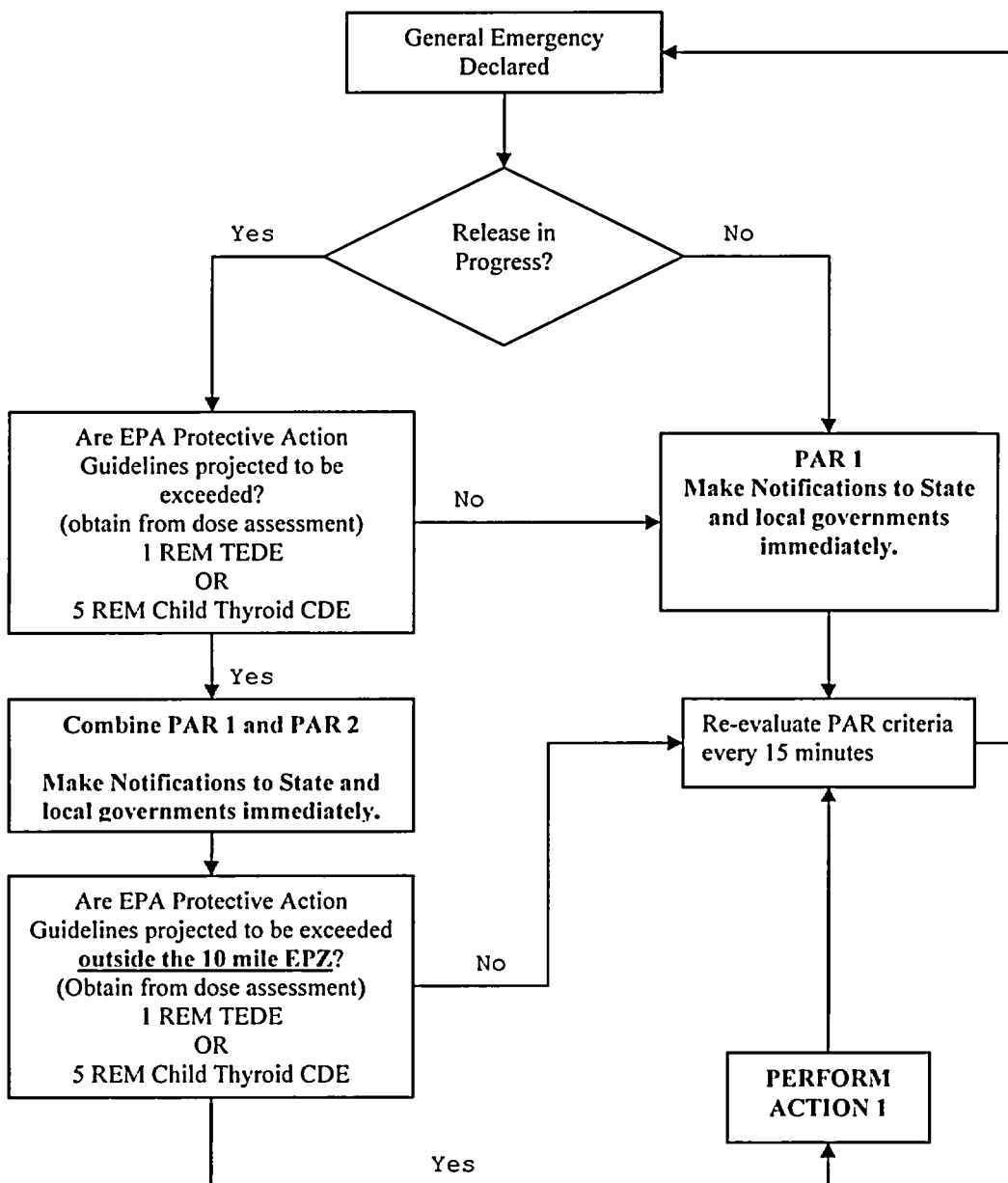
EOF Director - notifies Corporate Emergency Center (CEC) Manager
EOF HP Supervisor - notifies Emergency Radiation Team members
OSC Director - notifies Medical Team leader which in turn notifies Medical Team members
Dose Assessment Supervisor - notifies Dose Assessment Team members
EOF Support Superintendent - notifies Administrative Services personnel
Radiation Protection & Radwaste Manager - notifies HP technicians
OSC HP Supervisor - notifies HP technicians
OSC I&C Supervisor - notifies I&C technicians
EOF Offsite Monitoring Supervisor - notifies Emergency Response Team members
EOF Communication Manager - notifies ENC Coordinator, Corporate Liaison, Local Government Communicator, Rumor Control personnel and Site Media Coordinator

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ATTACHMENT 6

PROTECTIVE ACTION RECOMMENDATIONS (PAR) FOR GENERAL EMERGENCY

This flowchart is to be used as a guide for determining PAR's. Actual PAR's are listed on the following pages of Attachment 6.



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ATTACHMENT 6

PROTECTIVE ACTION RECOMMENDATIONS (PAR)
FOR
GENERAL EMERGENCY

PAR No. 1

NOTE

The State and local governments must be notified within 15 minutes of Protective Action Recommendations or changes to Protective Action Recommendations using Form 1903.011-Y.

1. General Emergency Declared

Recommend evacuating/*sheltering a 5 mile radius and 10 miles downwind. Recommend the remainder of the 10 mile EPZ to go indoors and listen to the emergency broadcast for this event. Determine the affected zones for the PAR from the chart given below.

Wind Direction (from)	Evacuate/*Shelter Zones	Recommend
348.75 to 11.25	G H K N O R S T U	Remainder of EPZ to go indoors
11.25 to 33.75	G H K N O Q R S U	Remainder of EPZ to go indoors
33.75 to 56.25	G H K N O Q R S U	Remainder of EPZ to go indoors
56.25 to 78.75	G H K N O Q R S U	Remainder of EPZ to go indoors
78.75 to 101.25	G H K N O P Q R U	Remainder of EPZ to go indoors
101.25 to 123.75	G H K N O P Q R U	Remainder of EPZ to go indoors
123.75 to 146.25	G H K M N O P R U	Remainder of EPZ to go indoors
146.25 to 168.75	G H K M N O P R U	Remainder of EPZ to go indoors
168.75 to 191.25	G H K M N O P R U	Remainder of EPZ to go indoors
191.25 to 213.75	G H K L M N O R U	Remainder of EPZ to go indoors
213.75 to 236.25	G H J K L M N O R U	Remainder of EPZ to go indoors
236.25 to 258.75	G H I J K L M N O R U	Remainder of EPZ to go indoors
258.75 to 281.25	G H I J K L N O R U	Remainder of EPZ to go indoors
281.25 to 303.75	G H I J K N O R U	Remainder of EPZ to go indoors
303.75 to 326.25	G H I J K N O R S T U	Remainder of EPZ to go indoors
326.25 to 348.75	G H I K N O R S T U	Remainder of EPZ to go indoors

*Shelter is normally recommended by the Arkansas Department of Health. ANO will only recommend Evacuation unless instructed otherwise by offsite agencies.

- IF there is a radiological release associated with this event and EPA Protective Action Guidelines are projected to be exceeded (1REM TEDE, 5 REM Child Thyroid), THEN combine zones of PAR 1 with applicable zones of PAR 2.
- Include any previously evacuated zones on the current PAR. DO NOT change any previously evacuated zones to "shelter" or "go indoors" on the current PAR.
- Protective Action recommendations must be reassessed every 15 minutes until downgrade or recovery phase is entered.

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ATTACHMENT 6

PROTECTIVE ACTION RECOMMENDATIONS (PAR)
FOR
GENERAL EMERGENCY

PAR No. 2

NOTE

The State and local governments must be notified within 15 minutes of Protective Action Recommendations or changes to Protective Action Recommendations using Form 1903.011-Y.

1. **IF** plant conditions meet the following criteria:

- General Emergency declared
AND
- EPA Protective Action Guidelines are projected to be exceeded.
1 Rem TEDE
OR
5 Rem Child Thyroid CDE

THEN Recommend the following Protective Action Recommendation.

EVACUATE/*SHELTER: **Zones projected to exceed the EPA Protective Action Guidelines (obtain from dose assessment)

AND

Zones from PAR 1

RECOMMEND: Remainder of the 10 mile EPZ to go indoors and listen to the Emergency Broadcasts

* Shelter is normally recommended by the Arkansas Department of Health. ANO will only recommend Evacuation unless instructed otherwise by offsite agencies.

** Dose assessment PAR's will be initially provided by the Initial Dose Assessor in the Control Room. When the Dose Assessment Team becomes operational in the EOF, the Dose Assessment team will provide this information.

2. Include any previously evacuated zones on the current PAR. **DO NOT** change any previously evacuated zones to "shelter" or "go indoors" on the current PAR.
3. Protective Action Recommendations must be reassessed every 15 minutes until downgrade or recovery phase is entered.

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ATTACHMENT 6

PROTECTIVE ACTION RECOMMENDATIONS (PAR)
FOR
GENERAL EMERGENCY

Action 1

IF plant conditions meet the following criteria:

- General Emergency declared
AND
- EPA Protective Action Guidelines are projected to be exceeded beyond the 10 mile EPZ.
1 Rem TEDE
OR
5 Rem Child Thyroid CDE

THEN begin to investigate ad hoc protective action recommendations with the State and local governments for the general public located in the affected areas.

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**[ATTACHMENT 9]
[Computerized Notification System (CNS) Instructions]**

- Section 1: Emergency Class Notification Using the CNS
- Section 2: Other Notifications Using the CNS (i.e. Forced Outage, TSC/OSC Non Emergency, etc.)
- Section 3: Non-Emergency/Off-Normal Notification Using the CNS
- Section 4: Confirming CNS Operation
- Section 5: Stopping a Scenario
- Section 6: Returning the CNS to Standby
- Section 7: Emergency Class Notification Backup Method (Telephone)

NOTE

Upon loss of off-site power, Unit 2 would have to start CNS from the Unit 1 Terminal.

Section 1

Emergency Class Notification Using the CNS

1. **IF** this ERO Notification is for an Alert or higher Emergency Class and CNS has already been initiated for an Alert or higher Emergency Class, **THEN** exit this attachment.
2. **IF** CNS fails to activate for any reason while performing the following steps, **THEN** immediately implement section 7, "Emergency Class Notification Backup Method (Telephone)" of this attachment.
3. The CNS terminal has an automatic screen-blanking feature. If the screen is blank, press any key to restore the screen. Turn up the contrast or brightness if necessary.
4. At the Application: Communicator: Password Entry screen, type "0002".
5. Press [Enter].
6. At the Application: Communicator: Main Menu screen, highlight "Execution" using the right or left arrow keys.
7. Press [Enter].
8. Using the up or down arrow keys, highlight "Scenario Control".
9. Press [Enter].

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(Section 1 Cont.)

10. At the Application: Communicator: Scenario Activation Control screen, highlight the appropriate scenario using the up or down arrow keys.
11. Press [Enter].
12. A list of options will appear. Using the up or down arrow keys, highlight the option "Start this scenario".
13. Press [Enter].
14. At the prompt "Confirm Scenario start? (Y/N): N ", enter "Y".
15. Press [Enter] to start the scenario.
16. Observe the Application: Communicator: Scenario Activation Control screen. Check that the scenario status changes to "Active".
17. The scenario will run until all positions are filled, the scenario duration elapses or it is stopped by the operator.
18. If you want to confirm CNS operation, go to Section 4 of this attachment.

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Section 2

Other Notifications Using the CNS (i.e. Forced Outage, TSC/OSC Non Emergency, etc.)

<p style="text-align: center;"><u>NOTE</u></p> <p>The CNS terminal has an automatic screen-blanking feature. If the screen is blank, press any key to restore the screen.</p>
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1. At the Application: Communicator: Password Entry screen, type "0002".
2. Press [Enter].
3. At the Application: Communicator: Main Menu screen, highlight "Execution" using the right or left arrow keys.
4. Press [Enter].
5. Using the up or down arrow keys, highlight "Scenario Control".
6. Press [Enter].
7. At the Application: Communicator: Scenario Activation Control screen, highlight the appropriate scenario using the up or down arrow keys.
8. Press [Enter].
9. A list of options will appear. Using the up or down arrow keys, highlight the option "Start this scenario".
10. Press [Enter].
11. At the prompt "Confirm scenario start? (Y/N): N ," enter "Y".
12. Press [Enter] to start the scenario.
13. Observe the Application: Communicator: Scenario Activation Control Screen. Check that the scenario status changes to "Active."
14. The scenario will run until all positions are filled, the scenario duration elapses or it is stopped by the operator.
15. If you want to confirm CNS operation, go to Section 4 of this attachment.

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Section 3

Non-Emergency/Off-Normal Notification Using the CNS

NOTE

The CNS terminal has an automatic screen-blanking feature. If the screen is blank press any key to restore the screen.

You must use the phone to start the scenarios covered by this section.

1. Dial 3683 from any touch-tone phone. While the system is speaking the "Hello" segment, enter 0002 followed by the pound sign (#).
2. You will hear, "Enter your scenario number followed by the pound sign."
3. Enter the scenario number (100 for Unit 1 or 200 for Unit 2) followed by the pound sign (#).
4. You will hear, "You entered (scenario number). Is that correct? Press 9 for YES or 6 for NO."
5. Press 9 for YES or 6 for NO. If you press 9 the system will continue scenario activation. If you press 6 the system will repeat the prompt for the scenario number.
6. After pressing 9 for YES you will hear, "The scenario will be queued as a(n) (Emergency, Drill, or Test). When you are ready to record your message, please press the star and the pound keys on your phone."
7. When you are ready to record your message, press the star (*) and the pound (#) keys.
8. You will hear, "Record your message at the tone. Push the pound key when you are finished."
9. Record the message. Press [#] when you are done.
10. You will hear, "You said ... (the system will speak your recorded message). Is that correct? Press 9 for YES or 6 for NO."
11. If you press 9 for YES the system will continue scenario activation. If you press 6 for NO the system will repeat the prompt to record the message.
12. After pressing 9 for YES you will hear, "Your selected scenario, (scenario number) will now be sent. Are you sure this is what you want to do? Press 9 for YES or 6 for NO."
13. If you press 9 for YES the system will continue scenario activation. If you press 6 for NO you will hear, "Thank you. Goodbye." The system will end the call without starting the scenario.
14. After pressing 9 for YES, you will hear, "Thank you. Goodbye." The system will end the call and start the scenario.
15. Any further scenario control functions must be performed at the keyboard.
16. If you want to confirm CNS operation, go to Section 4 of this attachment.

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Section 4

Confirming CNS Operation

Using the Scenario Monitor:

1. IF you are at the Application: Communicator: Scenario Activation Control screen,
THEN perform the following
 - a. Press [Esc]
 - b. Go to step 6.
2. At the Application: Communicator: Password Entry screen enter '0002'.
3. Press [Enter].
4. At the Application: Communicator: Main Menu screen highlight "Execution" using the left or right arrow keys.
5. Press [Enter].
6. Highlight "Scenario Monitor" using the up or down arrow keys.
7. Press [Enter].
8. The Scenario Monitor will show the status of the scenario that is currently running or that has most recently been run.
9. Observe the Scenario Monitor screen. Check that the system is attempting to contact personnel.
10. Press [Esc] to exit the Scenario Monitor.

Using the Reports

1. The system will print a report every 5 minutes.
2. Check the reports to see that personnel are responding to the CNS.

Using the Status Screen:

1. At any screen press [Ctrl 2]. You must use the number pad.
2. The Status Screen will show the phone lines.
3. Observe the Status screen. Check that the system is making and receiving calls.
4. Press [Ctrl 1] (using the number pad) to return to the system operation screens.

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Section 5

Stopping a Scenario

1. At the Application: Communicator: Main Menu screen, highlight "Scenario Control" (if not already highlighted) using the up or down arrows.
2. Press [Enter].
3. Using the up or down arrow keys, highlight the scenario to be stopped.
4. Press [Enter].
5. A list options will appear. Highlight the option "Stop this scenario."
6. Press [Enter].
7. At the prompt "Confirm scenario stop? (Y/N): N" enter "Y".
8. Press [Enter].
9. Observe the Application: Communicator: Scenario Activation Control screen. Check that the scenario status changes to "Completed".

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[ATTACHMENT 9]

Section 6

Returning the CNS to Standby

1. Press [Esc] as many times as necessary to return to the Application:
Communicator: Main Menu.
2. At the Application: Communicator: Main Menu highlight "Exit" using the left or right arrow keys.
3. Press [Enter].
4. At the prompt "Exit to system" press [Enter].
5. The system should return to the Application: Communicator: Password Entry screen.

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[ATTACHMENT 9]

Section 7

Emergency Class Notification Backup Method (Telephone)

For NUE Notifications

NOTE

The following positions will be notified of an NUE:

EOF Director
TSC Director
Vice President, Operations
General Manager, Plant Operations
Unit 1 and 2 Plant Managers
Unit 1 and 2 Operations Managers
Communications Manager
NRC Resident Inspector
CEC Manager
Duty Emergency Planner

1. Dial *9-964-1644*
2. When asked for password, enter "1234".
3. When asked for the phone number, enter "0001" for a Unit 1 event

OR

"0002" for a Unit 2 event.

For ALERT or higher Notifications:

1. Dial *9-964-1645*
 - A. When asked for password, enter "1234".
 - B. When asked for the phone number, enter "1111" (for drills enter "333") for a Unit 1 event

OR

"2222" (for drills enter "444") for a Unit 2 event.

2. Dial *9-964-6411*
 - A. When asked for password, enter "1234".
 - B. When asked for the phone number, enter "1111" (for drills enter "333") for a Unit 1 event

OR

"2222" (for drills enter "444") for a Unit 2 event.

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ATTACHMENT 11

Non-Emergency Notifications of Off-Normal Events

When directed by the Shift Manager to complete this attachment, perform the following steps:

1. For Courtesy Calls and other Non-Emergency/Off-Normal Events, activate the appropriate "Non-Emergency/Off-Normal Event" scenario using the Computerized Notification System" (CNS) to notify designated Entergy management and the NRC Resident Inspector. Refer to CNS instructions on Attachment 9, Section 3.
2. Monitor CNS to ensure it is functioning properly and review reports generated by CNS.
3. IF CNS fails,
THEN provide notification to the following Entergy and NRC representatives via telephone. You should attempt to notify all of the representatives listed below. Some individuals may be unavailable,; however, this is a courtesy notification for information only and not a requirement:

Operations Manager of the affected unit(s)
Plant Manager of the affected unit(s)
General Manager Plant Operations
Vice President, Operations
EOF Director
TSC Director
NRC Resident Inspector
Communications Manager
CEC Manager
Duty Emergency Planner

If this method is used, document successful contacts in the station log.

4. Report to the Shift Manager when the above actions have been completed.