



# ARKANSAS POWER & LIGHT COMPANY

## Arkansas Nuclear One

TITLE: TRANSMITTAL

FORM NO. 1013.02H

REV. # 12 PC #

Arkansas Nuclear One  
Russellville, Arkansas  
Date 9/19/83

### MEMORANDUM

TO: 109 - NRC Washington

FROM: ANO DOCUMENT CONTROL

SUBJECT: ANO MASTER PLANT MANUAL UPDATE

PROCEDURE NUMBER 1903.01 REV. # 4 PC #        TC #       PROCEDURE TITLE ORGANIZATION AND USE OF THE EMERGENCY PLANIMPLEMENTING PROCEDURESPROCEDURE NUMBER 1903.10 REV. # 10 PC #        TC #       PROCEDURE TITLE EMERGENCY ACTION LEVEL RESPONSEPROCEDURE NUMBER        REV. #        PC #        TC #       PROCEDURE TITLE       

The following pages of the indicated procedure (s) contains items which involve personal privacy or proprietary material. PLEASE REMOVE THE INDICATED MATERIAL PRIOR TO DISTRIBUTION TO PUBLIC DOCUMENT ROOMS, ETC.

PROCEDURE (S)1903.10PAGE (S)23,45,55,57,58,61,64☐ PROCEDURE (S) HAS BEEN PLACED IN YOUR SET OF THE PLANT MANUAL.☒ PROCEDURE (S) SHOULD BE PLACED IN YOUR SET OF THE PLANT MANUAL.

NOTE: PLEASE RETURN SIGNED TRANSMITTAL TO DOCUMENT CONTROL - 4TH FLOOR:

SIGNATURE       DATE       

UPDATED

8310060250 830930  
PDR ADOCK 05000313  
F PDR



# ARKANSAS POWER & LIGHT COMPANY

## Arkansas Nuclear One

TITLE: RECORD OF CHANGES AND REVISIONS

FORM NO. 1000.06A

EMERGENCY PLAN PROCEDURE

REV. # 12 PC #

Safety Related YES ☒ NO ☐

ORGAN. AND USE OF THE EMERG. PLAN IMPLEMENTING PROCEDURES

1903.01 Rev. 4

**UN-Controlled Copy**

# 109

PAGE	REV	PC#	PAGE	REV	PC#	PAGE	REV	PC#	PAGE	REV	PC#	PAGE	REV	PC#
1	3													
2	2													
3	0													
4	3													
5	4													

APPROVED BY:

APPROVAL DATE

*James M. Levine*  
(General Manager)

9/17/83

REQUIRED EFFECTIVE DATE:



PLANT MANUAL SECTION:  
EMERGENCY  
PLAN

PROCEDURE/WORK PLAN TITLE:  
ORGANIZATION AND USE OF EMER-  
GENCY PLAN IMPLEMENTING PROCEDURES

NO:  
1903.01

## ARKANSAS NUCLEAR ONE

PAGE	5 of 5		
REVISION	4	DATE	9/13/83
CHANGE		DATE	

### 6.3 Use of the Emergency Plan Implementing Procedures

- 6.3.1 Each Duty Emergency Coordinator, when on duty, shall maintain a binder which contains copies of appropriate Emergency Plan Implementing Procedures and other appropriate emergency related plant procedures.
- 6.3.2 Next to each significant step in the Emergency Plan Implementing Procedures a line is placed in the right hand margin to allow the user to insert his initials and the approximate time the step is taken, as appropriate. By taking this action, the user may identify which steps have been taken and which steps remain to be taken, and he also generates a record of key actions taken. If appropriate, the user should also write notes on the procedure, or on a separate piece of paper kept with the procedure, to document his actions.
- 6.3.3 The Duty Emergency Coordinator and the Shift Operations Supervisor shall maintain logs of the incident.
- 6.3.4 At the end of the incident, appropriate forms, logs, marked up procedures and notes should be provided to Duty Emergency Coordinator or Recovery Manager.
- 6.3.5 Appropriate forms, logs, marked-up procedures, notes should be turned over to the Emergency Planning Coordinator for filing.
- 6.3.6 The Emergency Planning Coordinators shall ensure that a written summary of the event is submitted to Licensing in accordance with Section 5.4 of procedure 1072.004, "Administration of the Emergency Plan and Implementing Procedures".

### 7.0 ATTACHMENTS AND FORMS

None



# ARKANSAS POWER & LIGHT COMPANY

## Arkansas Nuclear One

TITLE: RECORD OF CHANGES AND REVISIONS

FORM NO. 1000.06A

EMERGENCY PLAN PROCEDURE

REV. # 12 PC #

Safety Related YES ☒ NO ☐

EMERGENCY ACTION LEVEL RESPONSE  
1903.10 Rev. 10

**UN-Controlled Copy # 109**

PAGE	REV	PC#	PAGE	REV	PC#	PAGE	REV	PC#	PAGE	REV	PC#	PAGE	REV	PC#
1	7		41	7										
2	10		42	10										
3	10		43	7										
4	10		44	7										
5	10		45	10										
6	10		46	7										
7	10		47	8										
8	7		48	10										
9	7		49	8										
10	9		50	8										
11	7		51	10										
12	7		52	7										
13	7		53	7										
14	10		54	9										
15	10		55	10										
16	10		56	9										
17	10		57	10										
18	7		58	10										
19	8		59	7										
20	9		60	7										
21	9		61	10										
22	8		62	7										
23	10		63	9										
24	7		64	10										
25	10													
26	10													
27	10													
28	10													
29	10													
30	7													
31	7													
32	9													
33	7													
34	8													
35	7													
36	7													
37	7													
38	10													
39	10													

APPROVED BY:

APPROVAL DATE

*James M. Levine*  
(General Manager)

9/12/83  
REQUIRED/EFFECTIVE DATE:



PLANT MANUAL SECTION:  
EMERGENCY PLAN  
PROCEDURE

PROCEDURE/WORK PLAN TITLE:  
EMERGENCY ACTION LEVEL RESPONSE

NO:  
1903.10

## ARKANSAS NUCLEAR ONE

PAGE	2 of 64		
REVISION	10	DATE	08/10/83
CHANGE		DATE	

### 4.3 Related ANO Procedures:

- 4.3.1 1043.06, "Bomb Threat"
- 4.3.2 1202.40, "Refueling Accidents"
- 4.3.3 1202.44, "Natural Emergencies"
- 4.3.4 1903.20, "Toxic Gas Release"
- 4.3.5 1903.21, "Arkla Natural Gas Line Rupture"
- 4.3.6 1903.22, "Fire or Explosion"
- 4.3.7 1903.23, "Personnel Emergency"
- 4.3.8 1903.40, "Duties of the Emergency Evacuation Team"
- 4.3.9 1903.41, "Duties of the Emergency Fire Team"
- 4.3.10 1903.42, "Duties of the Emergency Medical Team"
- 4.3.11 1903.43, "Duties of the Emergency Radiation Team"

### 4.4 Regulatory correspondence containing NRC commitments which are implemented in this procedure include:

- 4.4.1 OCAN018306
  - A. Section 6.2.3.B
  - B. Section 7.2.3.B
  - C. Section 8.2.3.B
  - D. Section 9.2.3.B
- 4.4.2 OCAN068320
  - A. Section 7.1.7

### 5.0 DEFINITIONS

- 5.1 Courtesy Call - A notification made to the NRC and/or the Arkansas Department of Health for conditions/events other than those constituting an EAL. Courtesy calls made to the Arkansas Department of Health should be limited to Reactor trips only.
- 5.2 Emergency Action Levels (EAL's) - A system of classification of unusual or emergency situations which categorizes the spectrum of possible emergency situations into four groups. Each classification is associated with a particular set of actions to be taken to cope with the situations included in that classification. The emergency action levels are



PLANT MANUAL SECTION:  
EMERGENCY PLAN  
PROCEDURE

PROCEDURE/WORK PLAN TITLE:  
EMERGENCY ACTION LEVEL RESPONSE

NO:  
1903.10

## ARKANSAS NUCLEAR ONE

PAGE 3 of 64

REVISION 10 DATE 08/10/83

CHANGE DATE

graded to allow a situation to be escalated or de-escalated from one level to another should the severity of the situation change. The four emergency action levels are:

Unusual Event  
Alert  
Site Emergency  
General Emergency

- 5.3 Unusual Event - This is the least severe of the four Emergency Action Levels. It includes those situations which, unless complicated by other factors, pose no harm to the public but for which contact is established with state and federal officials to provide them with current information on unusual events which are occurring or have occurred at ANO. Typically these situations are brought under control and terminated in less time than it takes to activate the emergency response organization. One of the purposes for this Emergency Action Level is to provide a random, unscheduled test of the communication link between the plant and state and federal officials.
- 5.4 Alert - This Emergency Action Level includes those situations for which plant, state and federal officials are notified in order to assure that emergency personnel are available to respond should the situation become more serious. These situations, unless upgraded to a more severe Emergency Action Level, pose no harm to the public but confirmatory radiation monitoring by the state may be desired in order to verify that no harm has occurred.
- 5.5 Site Emergency - This Emergency Action Level includes those situations for which plant, state and federal officials are mobilized so that emergency response centers are manned, and personnel required for evacuation of near site areas are available should the situation become more serious. Situations classified under the Site Emergency Action Level should also be those for which it is prudent to provide early warning to the population within the Emergency Planning Zone so they may be in a state of readiness should the situation become more serious.
- 5.6 General Emergency - This is the most severe of the four Emergency Action Levels. This Emergency Action Level includes those situations for which plant, state and federal officials are notified so they may take predetermined protective actions, such as sheltering or evacuation of the public, in order to minimize the potential for radiological exposure of the public. For these situations, early warning is provided to the population within the Emergency Planning Zone so they may be ready to take protective action.
- 5.7 Emergency Planning Zone (EPZ) - The EPZ considered by this procedure is the Inhalation Zone - that area within approximately a 10 mile radius of ANO.
- 5.8 Onsite - The area within the Exclusion Area Boundary.
- 5.9 Offsite - Those areas not covered by Section 5.7.





PLANT MANUAL SECTION:  
EMERGENCY PLAN  
PROCEDURE

PROCEDURE/WORK PLAN TITLE:  
EMERGENCY ACTION LEVEL RESPONSE

NO:  
1903.10

## ARKANSAS NUCLEAR ONE

PAGE 4 of 64

REVISION 10 DATE 08/10/83

CHANGE DATE

5.10 Technical Support Center - The location within the ANO Administration Building equipped with instrumentation and communication systems and facilities useful in monitoring the course of an accident; this center is located in the 3rd Floor Conference Room.

5.11 Operational Support Center - The ANO Administration Building; the normal work location for an individual is used as the reporting area in this center with the following exceptions:

- 5.11.1 Site Engineering Supervisor - Plant Analysis Superintendent's Office.
- 5.11.2 Radwaste Coordinator - individual's supervisor's office in the Administration Building.
- 5.11.3 Emergency Team Personnel
  - A. Evacuation - Main Guard Station (Material Management Personnel); Emergency Control Center [Secondary Operational Support Center (Training Personnel)]
  - B. Fire - 2nd floor conference room
  - C. Medical - First Aid Room/2nd floor break room
  - D. Radiation - (onsite team) Maintenance Coordinator's office area ( First Floor Administration Building)
  - E. Recovery - same as 5.10.3.D

### 6.0 UNUSUAL EVENT

#### 6.1 Classification Criteria

- 6.1.1 Projected summed releases from either unit exceed LMPC for one hour at the site boundary assuming annual average  $\chi/Q$ .
- 6.1.2 Abnormal RCS Conditions:
  - A. Margin to saturation of the RCS as indicated on margin-to-saturation meters or as calculated is less than 20°F for greater than 5 minutes.
  - B. RCS steady-state  $I^{131}$  dose equivalent activity in excess of the allowable Technical Specification limit.
  - C. Failure of the pressurizer relief valve to re-close after lifting.
  - D. Plant transients which result in emergency core cooling systems actuation.



PLANT MANUAL SECTION:  
EMERGENCY PLAN  
PROCEDURE

PROCEDURE/WORK PLAN TITLE:  
EMERGENCY ACTION LEVEL RESPONSE

NO:  
1903.10

## ARKANSAS NUCLEAR ONE

PAGE 5 of 64  
REVISION 10 DATE 08/10/83  
CHANGE DATE

- 6.1.3 Ongoing security compromise on site, but outside the Protected Area Security Fence. Attempted entry or sabotage which has been stopped before an Alert, Site Emergency or General Emergency can be declared.
- 6.1.4 Rapid depressurization of the steam generator secondary system which results in automatic steam generator secondary isolation.
- 6.1.5 Reactor shutdown required by the Limiting Conditions for Operation of the unit's Technical Specifications.
- 6.1.6 Loss of ability to assess off-site radiological doses, or loss of radio communication with off-site agencies.
- 6.1.7 The occurrence of other unusual events:
  - A. Fire in a vital area not under control within 10 minutes.
  - B. Aircraft crash onsite.
  - C. Train derailment onsite.
  - D. Explosion on site resulting in equipment damage and/or personnel injury requiring hospitalization.
  - E. Toxic or flammable gas release onsite or affecting the site which requires a plant evacuation.
  - F. Medical emergency which requires transporting a radiologically contaminated individual from the site to an offsite hospital.
  - G. Any tornado causing facility damage.

### 6.2 Personnel Responsibilities and Required Actions

For the Unusual Event Emergency Action Level, the following actions shall be taken by members of the Initial Response Organization, as described in the Arkansas Nuclear One Emergency Plan:

#### 6.2.1 Shift Operations Supervisor

- A. Once the Shift Operations Supervisor has determined that the Unusual Event Emergency Action Level should be declared, he shall:
  - 1. Assure the appropriate procedures are being implemented to mitigate the consequences of the Unusual Event.
  - 2. Implement the Unusual Event Emergency Action Level notifications, and record these notifications as shown on Form 1903.10A of this procedure.
  - 3. Continue to monitor plant conditions in order to determine if upgrading to a higher Emergency Action Level becomes necessary.





PLANT MANUAL SECTION:  
EMERGENCY PLAN  
PROCEDURE

PROCEDURE/WORK PLAN TITLE:  
EMERGENCY ACTION LEVEL RESPONSE

NO:  
1903.10

## ARKANSAS NUCLEAR ONE

PAGE 6 of 64  
REVISION 10 DATE 08/10/83  
CHANGE DATE

4. Direct the activities of the Initial Response Organization (if activated) until relieved by the Duty Emergency Coordinator.

5. Direct operations personnel and unit operations.

### 6.2.2 Shift Technical Advisor

A. The Shift Technical Advisor shall assist the Shift Operations Supervisor in incident assessment.

### 6.2.3 Shift Administrative Assistant

A. When directed by the Shift Operations Supervisor the Shift Administrative Assistant shall initiate the Unusual Event Shift Administrative Assistant Notification List and Record, Form 1903.10B of this procedure. The Shift Administrative Assistant shall also respond to incoming calls to the control room during the incident for notification authentication.

B. In the absence of the Shift Administrative Assistant, the Shift Operations Supervisor shall appoint an individual to initiate the Unusual Event Shift Administrative Assistant Notification List and Record. If additional assistance is needed, the Shift Operations Supervisor may appoint individuals to assist in performing notifications (e.g. the Shift Administrative Assistant from the unaffected unit).

C. The Shift Administrative Assistant shall assist operations personnel as directed by the Shift Operations Supervisor.

### 6.2.4 Duty Emergency Coordinator

A. If not on site, and if deemed necessary, the Duty Emergency Coordinator may report to the site to direct any necessary emergency response operations, so as to free the Shift Operations Supervisor to direct reactor operations.

B. The Unusual Event Duty Emergency Coordinator Notification List and Record, Form 1903.10C of this procedure, shall be initiated by the Duty Emergency Coordinator.

C. At the termination of the event, the Duty Emergency Coordinator shall verbally close out the event and prepare a written summary. The written summary and all forms, logs, notes, etc. shall be forwarded to the Emergency Planning Coordinator.



PLANT MANUAL SECTION:  
EMERGENCY PLAN  
PROCEDURE

PROCEDURE/WORK PLAN TITLE:  
EMERGENCY ACTION LEVEL RESPONSE

NO:  
1903.10

## ARKANSAS NUCLEAR ONE

PAGE	7	OF	64
REVISION	10	DATE	08/10/83
CHANGE		DATE	

### 6.3 Termination or Escalation of Emergency Action Level

- 6.3.1 The Unusual Event Emergency Action Level may be terminated by the Duty Emergency Coordinator after review of the event and implementation of appropriate corrective action.
- 6.3.2 The Unusual Event Emergency Action Level may be escalated to a higher Emergency Action Level if the Criteria of Sections 7.0, 8.0, or 9.0 are met.
- 6.3.3 The Unusual Event Emergency Action Level may be closed out after being terminated by a verbal summary from the Duty Emergency Coordinator to offsite authorities who were contacted during the event. All documentation generated from the Unusual Event shall be handled in accordance with Section 5.4 of procedure 1072.004, "Administration of the Emergency Plan and Implementing Procedures".

### 6.4 Forms

- 6.4.1 The following forms describe the notifications and records to be made by the appropriate individuals for the Unusual Event Emergency Action Level. Date the form where indicated (if the date changes before the form is complete, indicate the new date on the appropriate initial/time line). As notifications are completed, initial and time should be placed on the line in the right hand margin by each step. Other pertinent data (e.g. person contacted) may also be noted adjacent to each step, as appropriate.
- 6.4.2 Form 1903.10A - Unusual Event Shift Operations Supervisor Notification List and Record.
- 6.4.3 Form 1903.10B - Unusual Event Shift Administrative Assistant Notification List and Record.
- 6.4.4 Form 1903.10C - Unusual Event Duty Emergency Coordinator Notification List and Record.



PLANT MANUAL SECTION:  
EMERGENCY PLAN  
PROCEDURE

PROCEDURE/WORK PLAN TITLE:  
EMERGENCY ACTION LEVEL RESPONSE

NO:  
1903.10

## ARKANSAS NUCLEAR ONE

PAGE 14 of 64  
REVISION 10 DATE 08/10/83  
CHANGE DATE

### 7.0 ALERT

#### 7.1 Classification Criteria

- 7.1.1 Projected summed releases from either unit exceed 10 times MPC for one hour at the site boundary assuming annual average X/Q.
- 7.1.2 Abnormal RCS conditions:
- A. Margin to saturation of the RCS as indicated on installed instrumentation or as calculated is less than 20°F for 10 minutes with no indication for immediate recovery.
  - B. RCS  $^{131}$ I dose equivalent activity is greater than 100  $\mu$ Ci/gm.
  - C. RCS leakage is greater than normal makeup capacity.
  - D. Inability to make or maintain the reactor subcritical when intended.
- 7.1.3 Ongoing security threat within the protected area security fence, but outside of plant buildings.
- 7.1.4 Evacuation of the Control Room required.
- 7.1.5 Loss of all redundant means of core cooling.
- 7.1.6 All safety-related annunciators lost for more than 5 minutes when above cold shutdown.
- 7.1.7 The occurrence of other unusual events:
- A. Earthquakes resulting in 0.1g trigger alarms actuation. (Refer to Attachment 9, "Emergency Telephone Numbers".)
  - B. Lake Dardanelle level is greater than or equal to 350' (above sea level).
- 7.1.8 Radiation levels at two or more area radiation monitors in the Reactor Building increase by 2,000 mR/hr, or radiation levels at two or more area radiation monitors in the Auxiliary Building or the Fuel Building increase by 100 mR/hr due to a severe degradation in the control of radioactive materials.



PLANT MANUAL SECTION:  
EMERGENCY PLAN  
PROCEDURE

PROCEDURE/WORK PLAN TITLE:  
EMERGENCY ACTION LEVEL RESPONSE

NO:  
1903.10

## ARKANSAS NUCLEAR ONE

PAGE	15 of 64	
REVISION	10	DATE 08/10/83
CHANGE	DATE	

### 7.2 Personnel Responsibilities and Required Actions

Responsibility for notification and Protective Action Recommendations shall be transferred from (1) the Shift Supervisor (acting as the Duty Emergency Coordinator) to (2) the Duty Emergency Coordinator to (3) the Recovery Manager to (4) the Incident Response Director. This transfer shall be accomplished only after a formal turnover has been completed and documented by a log entry.

For the Alert Emergency Action Level, the following actions shall be taken by members of the Initial Response Organization, as defined in the Arkansas Nuclear One Emergency Plan:

#### 7.2.1 Shift Operations Supervisor

- A. Once the Shift Operations Supervisor has determined that the Alert Emergency Action Level should be placed into effect, he shall:
1. Assure the appropriate procedures are being implemented to mitigate the consequences of the unusual plant conditions.
  2. Implement the Alert Emergency Action Level notifications, and record these notifications as shown on Form 1903.10D of this procedure.
  3. Continue to monitor plant conditions in order to determine if upgrading to a higher Emergency Action Level becomes necessary.
  4. Direct the activities of the Initial Response Organization until relieved by the Duty Emergency Coordinator.
  5. Direct Operations personnel and unit operations.

#### 7.2.2 Shift Technical Advisor

- A. The Shift Technical Advisor shall assist the Shift Operations Supervisor in incident assessment.

#### 7.2.3 Shift Administrative Assistant

- A. When directed by the Shift Operations Supervisor, the Shift Administrative Assistant shall initiate the Alert Shift Administrative Assistant Notification List and Record, Form 1903.10E of this procedure. The Shift Administrative Assistant shall also respond to incoming calls to the control room during the incident.



PLANT MANUAL SECTION:  
EMERGENCY PLAN  
PROCEDURE

PROCEDURE/WORK PLAN TITLE:  
EMERGENCY ACTION LEVEL RESPONSE

NO:  
1903.10

## ARKANSAS NUCLEAR ONE

PAGE	16 of 64		
REVISION	10	DATE	08/10/83
CHANGE		DATE	

- B. In the absence of the Shift Administrative Assistant, the Shift Operations Supervisor shall appoint an individual to initiate the Alert Shift Administrative Assistant Notification List and Record. If additional assistance is needed, the Shift Operations Supervisor may appoint individuals to assist in performing notifications (e.g. the Shift Administrative Assistant from the unaffected unit).
- C. The Shift Administrative Assistant shall assist operations personnel as directed by the Shift Operations Supervisor.

### 7.2.4 Duty Emergency Coordinator

- A. If not on site, the Duty Emergency Coordinator shall report to the site when notified of an Alert. He shall direct emergency response operations so as to free the Shift Operations Supervisor to oversee reactor operations.
- B. The Duty Emergency Coordinator shall initiate the Alert Duty Emergency Coordinator Notification List and Record, Form 1903.10F of this procedure.

### 7.2.5 Emergency Response Team Leaders

- A. The Emergency Response Team Leaders or Alternates are notified by the Shift Administrative Assistant that an Alert has been declared.
- B. For situations requiring the support of a particular Emergency Response Team, the Team Leader or Alternate shall be requested to call out and assemble the team. The Team Leader or Alternate shall report to the Duty Emergency Coordinator when the team is assembled.
- C. For situations not requiring the immediate support of an Emergency Response Team, the Team Leader or Alternate shall contact the other team members and appraise them of the situation. The team members shall remain on call until notified that the Emergency Action Level has been terminated.

## 7.3 Termination or Escalation Of Emergency Action Level

- 7.3.1 The Alert Emergency Action Level may be de-escalated to a lower Emergency Action Level or be terminated by recovery from the event.
- 7.3.2 The Alert Emergency Action Level may be escalated to a higher Emergency Action Level if the criteria of Sections 8.0 or 9.0 is met.





PLANT MANUAL SECTION:  
EMERGENCY PLAN  
PROCEDURE

PROCEDURE/WORK PLAN TITLE:  
EMERGENCY ACTION LEVEL RESPONSE

NO:  
1903.10

## ARKANSAS NUCLEAR ONE

PAGE 17 of 64

REVISION 10 DATE 08/10/83

CHANGE DATE

7.3.3 The Alert Emergency Action Level may be closed out after being terminated by a verbal summary to offsite authorities who were contacted during the event. All documentation generated from the Alert shall be handled in accordance with Section 5.4 of procedure 1072.004, "Administration of the Emergency Plan and Implementing Procedures".

### 7.4 Forms

- 7.4.1 The following forms describe the notifications and records to be made by the appropriate individuals for the Alert Emergency Action Level. Date the form where indicated (if the date changes before the form is complete, indicate the new date on the appropriate initial/time line). As notifications are completed, initials and time should be placed on the line in the right hand margin by each step. Other pertinent data (e.g. person contacted) may also be noted adjacent to each step, as appropriate.
- 7.4.2 Form 1903.10D - Alert Shift Operations Supervisor Notification List and Record.
- 7.4.3 Form 1903.10E - Alert Shift Administrative Assistant Notification List and Record.
- 7.4.4 Form 1903.10F - Alert Duty Emergency Coordinator Notification List and Record.



PLANT MANUAL SECTION:  
EMERGENCY PLAN  
PROCEDURE

PROCEDURE/WORK PLAN TITLE:  
EMERGENCY ACTION LEVEL RESPONSE

NO:  
1903.10

## ARKANSAS NUCLEAR ONE

PAGE 23 of 64  
REVISION 10 DATE 08/10/83  
CHANGE DATE



### ARKANSAS POWER & LIGHT COMPANY Arkansas Nuclear One

TITLE: EMERGENCY ACTION LEVEL RESPONSE

FORM NO. 1903.10E

REV. #10 PC #

#### ALERT

Page 1 of 2

#### DUTY EMERGENCY COORDINATOR NOTIFICATION LIST AND RECORD

DATE \_\_\_\_\_

INITIALS/TIME  
\_\_\_\_\_/\_\_\_\_

1. Notified that an Alert Emergency Action Level has been declared, based on the following conditions (list):

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

2. Record time that the Shift Operations Supervisor was relieved of the following Duty Emergency Coordinator responsibilities:

2.1 Providing direction to the emergency response personnel.

2.2 Calculating offsite dose projections.

2.3 Performing follow-up notifications to the following groups:

2.3.1 Nuclear Regulatory Commission (Include all available radiological release information)

2.3.2 Arkansas Department of Health (unless otherwise directed)

2.3.4 General Manager.

3. Dispatch individual to the National Guard Armory to act as the TOCC Liaison with the Department of Health.

3.1 Refer to Attachment 8, "Technical/Advisory Personnel Roster/Call List".

4. If deemed necessary, activate the Technical Support Center staff (refer to Attachment 6 for call list as necessary).

5. If deemed necessary, activate the Operational Support Center staff (refer to Attachment 7 for call list).

THE MATERIAL CONTAINED WITHIN THE SYMBOLS (\*) IS PROPRIETARY OR PRIVATE INFORMATION.



PLANT MANUAL SECTION:  
EMERGENCY PLAN  
PROCEDURE

PROCEDURE/WORK PLAN TITLE:  
EMERGENCY ACTION LEVEL RESPONSE

NO:  
1903.10

## ARKANSAS NUCLEAR ONE

PAGE	25 of 64		
REVISION	10	DATE	08/10/83
CHANGE		DATE	

### 8.0 SITE EMERGENCY

#### 8.1 Classifications Criteria

- 8.1.1 Projected summed off-site dose rates from either unit exceed 50mR/hr whole body or 150 mR/hr thyroid dose rate assuming actual meteorological conditions.
- 8.1.2 Installed instrumentation or as calculated indicates the RCS is in a saturated condition.
- 8.1.3 Ongoing security threat within plant buildings, but not within the Control Room or vital areas.
- 8.1.4 Evacuation of the Control Room required and control of systems required for maintaining the unit in a safe condition cannot be established.

#### 8.2 Personnel Responsibilities and Required Actions

Responsibility for notification and Protective Action Recommendations shall be transferred from (1) the Shift Supervisor (acting as the Duty Emergency Coordinator) to (2) the Duty Emergency Coordinator to (3) the Recovery Manager to (4) the Incident Response Director. This transfer shall be accomplished only after a formal turnover has been completed and documented by a log entry.

For the Site Emergency Emergency Action Level, the following actions shall be taken by members of the Initial Response Organization and the Emergency Response Organization, as defined in the Arkansas Nuclear One Emergency Plan:

##### 8.2.1 Shift Operations Supervisor

- A. Once the Shift Operations Supervisor has determined that the Site Emergency Emergency Action Level should be placed into effect, he shall:
  - 1. Assure the appropriate procedures are being implemented to mitigate the consequences of the unusual plant conditions.
  - 2. Implement the Site Emergency Emergency Action Level notifications, and record these notifications as shown on Form 1903.10G of this procedure.
  - 3. Continue to monitor plant conditions in order to determine if upgrading to a higher Emergency Action Level becomes necessary.
  - 4. Direct the activities of the Initial Response Organization until relieved by the Duty Emergency Coordinator.



PLANT MANUAL SECTION:  
EMERGENCY PLAN  
PROCEDURE

PROCEDURE/WORK PLAN TITLE:  
EMERGENCY ACTION LEVEL RESPONSE

NO:  
1903.10

## ARKANSAS NUCLEAR ONE

PAGE	26 of 64		
REVISION	10	DATE	08/10/83
CHANGE		DATE	

5. Direct Operations personnel and unit operations.

### 8.2.2 Shift Technical Advisor

- A. The Shift Technical Advisor shall assist the Shift Operations Supervisor in incident assessment.

### 8.2.3 Shift Administrative Assistant

- A. When directed by the Shift Operations Supervisor, the Shift Administrative Assistant shall initiate the Site Emergency Shift Administrative Assistant Notification List and Record, Form 1903.10H of this procedure. The Shift Administrative Assistant shall also respond to incoming calls to the control room during the incident.
- B. In the absence of the Shift Administrative Assistant, the Shift Operations Supervisor shall appoint an individual to initiate the Site Emergency Shift Administrative Assistant Notification List and Record. If additional assistance is needed, the Shift Operations Supervisor may appoint individuals to assist in performing notifications (e.g. the Shift Administrative Assistant from the unaffected unit).
- C. The Shift Administrative Assistant shall assist operations personnel as directed by the Shift Operations Supervisor.

### 8.2.4 Duty Emergency Coordinator

- A. If not on site, the Duty Emergency Coordinator shall report to the site when notified of a Site Emergency. He shall direct emergency response operations so as to free the Shift Operations Supervisor to oversee reactor operations.
- B. The Duty Emergency Coordinator shall initiate the Site Emergency Duty Emergency Coordinator Notification List and Record, Form 1903.10I of this procedure.
- C. If a radiological release is involved, the Duty Emergency Coordinator shall direct the implementation of appropriate onsite protective actions, and shall provide offsite radiological assessment information to offsite authorities responsible for implementing off-site emergency measures.

### 8.2.5 Emergency Response Team Leaders

- A. The Emergency Response Team Leaders or Alternates are notified by the Shift Administrative Assistant that a Site Emergency has been declared.



PLANT MANUAL SECTION:  
EMERGENCY PLAN  
PROCEDURE

PROCEDURE/WORK PLAN TITLE:  
EMERGENCY ACTION LEVEL RESPONSE

NO:  
1903.10

## ARKANSAS NUCLEAR ONE

PAGE	27 of 64		
REVISION	10	DATE	08/10/83
CHANGE		DATE	

- B. The Emergency Response Team Leader or Alternates shall call out and assemble the teams. The Team Leader or Alternate shall report to the Duty Emergency Coordinator when the team is assembled.

### 8.2.6 Incident Response Director

- A. The Incident Response Director is notified by the Little Rock Control Center that a Site Emergency has been declared.
- B. The Incident Response Director shall report to the Emergency Control Center when notified that a Site Emergency has been declared.
- C. The Incident Response Director shall activate the General Office portions of the Emergency Response Organization, as needed.

### 8.2.7 Recovery Manager

- A. The Recovery Manager is notified by the Shift Administrative Assistant that a Site Emergency has been declared.
- B. The Recovery Manager shall immediately report to the Onsite Technical Support Center when notified that a Site Emergency has been declared.

### 8.2.8 Operations Manager

- A. The Operations Manager is notified by the Shift Administrative Assistant that a Site Emergency has been declared.
- B. The Operations Manager shall immediately report to the Onsite Technical Support Center when notified that a Site Emergency has been declared.

### 8.2.9 Maintenance Manager

- A. The Maintenance Manager is notified by the Shift Administrative Assistant that a Site Emergency has been declared.
- B. The Maintenance Manager shall immediately report to the Onsite Technical Support Center when notified that a Site Emergency has been declared.





PLANT MANUAL SECTION:  
EMERGENCY PLAN  
PROCEDURE

PROCEDURE/WORK PLAN TITLE:  
EMERGENCY ACTION LEVEL RESPONSE

NO:  
1903.10

## ARKANSAS NUCLEAR ONE

PAGE	28 of 64		
REVISION	10	DATE	08/10/83
CHANGE		DATE	

### 8.2.10 Operations Superintendents

- A. The Operations Superintendent are notified by the Shift Administrative Assistant that a Site Emergency has been declared.
- B. The Operations Superintendents shall immediately report to the Control Rooms of their respective Units and inform the Onsite Technical Support Center of his presence in the Control Room.

### 8.2.11 Health Physics Superintendent and Technical Analysis Superintendent

- A. The Health Physics Superintendent and Technical Analysis Superintendent are notified by the Shift Administrative Assistant that a Site Emergency has been declared.
- B. The Health Physics Superintendent and Technical Analysis Superintendent shall immediately report to the Onsite Technical Support Center when notified that a Site Emergency has been declared.

### 8.2.12 Nuclear and Engineering Support Superintendent

- A. The Nuclear and Engineering Support Superintendent is notified by the Shift Administrative Assistant that a Site Emergency has been declared.
- B. The Nuclear and Engineering Support Superintendent shall immediately report to the Onsite Technical Support Center when notified that a Site Emergency has been declared.

### 8.2.13 Maintenance Superintendents

- A. The Maintenance Superintendents are notified by the Shift Administrative Assistant that a Site Emergency has been declared.
- B. The Maintenance Superintendents shall immediately report to the Onsite Operational Support Center when notified that a Site Emergency has been declared.

## 8.3 Termination or Escalation of Emergency Action Level

8.3.1 The Site Emergency Emergency Action Level may be de-escalated to a lower Emergency Action Level or be terminated by recovery from the event.

8.3.2 The Site Emergency Emergency Action Level may be escalated to a General Emergency Emergency Action Level if the criteria of section 9.0 is met.



PLANT MANUAL SECTION:  
EMERGENCY PLAN  
PROCEDURE

PROCEDURE/WORK PLAN TITLE:  
EMERGENCY ACTION LEVEL RESPONSE

NO:  
1903.10

## ARKANSAS NUCLEAR ONE

PAGE	29 of 64		
REVISION	10	DATE	08/10/83
CHANGE		DATE	

- 8.3.3 The Site Emergency Emergency Action Level may be closed out after being terminated by a briefing by the Incident Response Director to the appropriate offsite authorities. All documentation generated from the Site Emergency shall be handled in accordance with Section 5.4 of procedure 1072.004, "Administration of the Emergency Plan and Implementing Procedures".

### 8.4 Forms

- 8.4.1 The following forms describe the notifications and records to be made by the appropriate individuals for the Site Emergency Emergency Action Level. Date the form where indicated (if the date changes before the form is complete, indicate the new date on the appropriate initial/time line). As notifications are completed, initials and time should be placed on the line in the right hand margin by each step. Other pertinent data (e.g. person contacted) may also be noted adjacent to each step, as appropriate.
- 8.4.2 Form 1903.10G - Site Emergency Shift Operations Supervisor Notification List and Record.
- 8.4.3 Form 1903.10H - Site Emergency Shift Administrative Assistant Notification List and Record.
- 8.4.4 Form 1903.10I - Site Emergency Duty Emergency Coordinator Notification List and Record.



PLANT MANUAL SECTION:  
EMERGENCY PLAN  
PROCEDURE

PROCEDURE/WORK PLAN TITLE:  
EMERGENCY ACTION LEVEL RESPONSE

NO:  
1903.10

## ARKANSAS NUCLEAR ONE

PAGE	38 of 64		
REVISION	10	DATE	08/10/83
CHANGE		DATE	

### 9.0 GENERAL EMERGENCY

#### 9.1 Classification Criteria

- 9.1.1 Projected or measured dose rates at the site boundary from either unit exceeds 250 mR/hr whole body or 500 mR/hr to the thyroid for actual meteorological conditions.
- 9.1.2 Loss of two out of three fission product barriers with a potential loss of the third barrier. Loss of fuel cladding integrity must involve greater than 1% failed fuel (or equivalent reactor coolant system activity); loss of reactor coolant system integrity must involve leakage in excess of makeup capacity; loss of containment integrity must involve mechanical equipment failure (containment purge valves not closed, airlock cannot be closed) or structural damage which would result in uncontrolled leakage from the reactor building.
- 9.1.3 Ongoing security threat within the Control Room or vital areas. Criteria for imposing any of the emergency classifications and the appropriate protective action are not limited to those listed.

#### 9.2 Personnel Responsibilities And Required Actions

Responsibility for notification and Protective Action Recommendations shall be transferred from (1) the Shift Supervisor (acting as the Duty Emergency Coordinator) to (2) the Duty Emergency Coordinator to (3) the Recovery Manager to (4) the Incident Response Director. This transfer shall be accomplished only after a formal turnover has been completed and documented by a log entry.

For the General Emergency Emergency Action Level, the following actions shall be taken by members of the Initial Response Organization and Emergency Response Organization, as defined in the Arkansas Nuclear One Emergency Plan:

##### 9.2.1 Shift Operations Supervisor

- A. Once the Shift Operations Supervisor has determined that the General Emergency Action Level should be placed into effect, he shall:
  - 1. Assure the appropriate procedures are being implemented to mitigate the consequences of the unusual plant conditions.
  - 2. Implement the General Emergency Emergency Action Level notifications, and record these notifications as shown on Form 1903.10J of this procedure.



PLANT MANUAL SECTION:  
EMERGENCY PLAN  
PROCEDURE

PROCEDURE/WORK PLAN TITLE:  
EMERGENCY ACTION LEVEL RESPONSE

NO:  
1903.10

## ARKANSAS NUCLEAR ONE

PAGE	39 of 64		
REVISION	10	DATE	08/10/83
CHANGE		DATE	

3. Direct the activities of the Initial Response Organization until relieved by the Duty Emergency Coordinator.

4. Direct Operations personnel and unit operations.

### 9.2.2 Shift Technical Advisor

A. The Shift Technical Advisor shall assist the Shift Operations Supervisor in incident assessment.

### 9.2.3 Shift Administrative Assistant

A. When directed by the Shift Operations Supervisor, the Shift Administrative Assistant shall initiate the General Emergency Shift Administrative Assistant Notification List and Record, Form 1903.10K of this procedure. The Shift Administrative Assistant shall also respond to incoming calls to the control room during the incident.

B. In the absence of the Shift Administrative Assistant, the Shift Operations Supervisor shall appoint an individual to initiate the General Emergency Shift Administrative Assistant Notification List and Record. If additional assistance is needed, the Shift Operations Supervisor may appoint individuals to assist in performing notifications (e.g. the Shift Administrative Assistant from the unaffected unit).

C. The Shift Administrative Assistant shall assist operations personnel as directed by the Shift Operations Supervisor.

### 9.2.4 Duty Emergency Coordinator

A. If not on site, the Duty Emergency Coordinator shall report to the site when notified of a General Emergency. He shall direct emergency response operations so as to free the Shift Operations Supervisor to oversee reactor operations.

B. The Duty Emergency Coordinator shall initiate the General Emergency Duty Emergency Coordinator Notification List and Record, Form 1903.10L of this procedure.

C. If a radiological release is involved, the Duty Emergency Coordinator shall direct the implementation of appropriate onsite protective actions, and shall provide offsite radiological assessment information to offsite authorities responsible for implementing offsite emergency measures.



PLANT MANUAL SECTION:  
EMERGENCY PLAN  
PROCEDURE

PROCEDURE/WORK PLAN TITLE:  
EMERGENCY ACTION LEVEL RESPONSE

NO:  
1903.10

## ARKANSAS NUCLEAR ONE

PAGE 40 of 64  
REVISION 1C DATE 08/10/83  
CHANGE DATE

NOTE: Upon declaration of any General Emergency, make the following recommendations to Arkansas Department of Health personnel: As a minimum, recommend sheltering within a 2-mile radius of the plant and 5 miles in the downwind direction.

### 9.2.5 Emergency Response Team Leaders

- A. The Emergency Response Team Leaders or Alternates are notified by the Shift Administrative Assistant that a General Emergency has been declared.
- B. The Emergency Response Team Leader or Alternates shall call out and assemble the teams. The Team Leader or Alternate shall report to the Duty Emergency Coordinator when the team is assembled.

### 9.2.6 Incident Response Director

- A. The Incident Response Director is notified by the Little Rock Control Center that a General Emergency has been declared.
- B. The Incident Response Director shall report to the Emergency Control Center when notified that a General Emergency has been declared.
- C. The Incident Response Director shall activate the General Office portions of the Emergency Response Organization, as needed.

### 9.2.7 Recovery Manager

- A. The Recovery Manager is notified by the Shift Administrative Assistant that a General Emergency has been declared.
- B. The Recovery Manager shall immediately report to the Onsite Technical Support Center when notified that a General Emergency has been declared.

### 9.2.8 Operations Manager

- A. The Operations Manager is notified by the Shift Administrative Assistant that a General Emergency has been declared.
- B. The Operations Manager shall immediately report to the Onsite Technical Support Center when notified that a General Emergency has been declared.





PLANT MANUAL SECTION:  
EMERGENCY PLAN  
PROCEDURE

PROCEDURE/WORK PLAN TITLE:  
EMERGENCY ACTION LEVEL RESPONSE

NO:  
1903.10

## ARKANSAS NUCLEAR ONE

PAGE 42 of 64  
REVISION 10 DATE 08/10/83  
CHANGE DATE

- B. The Maintenance Superintendents shall immediately report to the Onsite Operational Support Center when notified that a General Emergency has been declared.

### 9.3 Termination of Emergency Action Level

- 9.3.1 The General Emergency Emergency Action Level may be de-escalated to a lower Emergency Action Level or be terminated by recovery from the event.
- 9.3.2 The General Emergency Emergency Action Level may be closed out after being terminated by a briefing by the Incident Response Director of the appropriate offsite authorities. All documentation generated from the General Emergency shall be handled in accordance with Section 5.4 of procedure 1072.004, "Administration of the Emergency Plan and Implementing Procedures".

### 9.4 Forms

- 9.4.1 The following forms describe the notifications and records to be made by the appropriate individuals for the General Emergency Action Level. Date the form where indicated (if the date changes before the form is complete, indicate the new date on the appropriate initial/time line). As notifications are completed, initials and time should be placed on the line in the right hand margin by each step. Other pertinent data (e.g. person contacted) may also be noted adjacent to each step, as appropriate.
- 9.4.2 Form 1903.10J - General Emergency Shift Operations Supervisor Notification List and Record.
- 9.4.3 Form 1903.10K - General Emergency Shift Administrative Assistant Notification List and Record.
- 9.4.4 Form 1903.10L - General Emergency Duty Emergency Coordinator Notification List and Record.



PLANT MANUAL SECTION:  
EMERGENCY PLAN  
PROCEDURE

PROCEDURE/WORK PLAN TITLE:  
EMERGENCY ACTION LEVEL RESPONSE

NO:  
1903.10

## ARKANSAS NUCLEAR ONE

PAGE 45 of 64  
REVISION 10 DATE 08/10/83  
CHANGE DATE



### ARKANSAS POWER & LIGHT COMPANY Arkansas Nuclear One

TITLE:  
EMERGENCY ACTION LEVEL RESPONSE

FORM NO.  
1903.10K

REV. #10 PC #

Page 1 of 3

GENERAL EMERGENCY  
SHIFT ADMINISTRATIVE ASSISTANT  
NOTIFICATION LIST AND RECORD

DATE /  
INITIALS/TIME

1. Complete as much of Form 1903.10M, "EAL Notification" as available information and time allows.

NOTE: The order of notification may be rearranged as the situation dictates with approval of the Shift Operations Supervisor. These groups should be contacted by the most expedient means available (paging, contacting appropriate response center for relaying information, direct phone call, radio contact, etc.). The phone numbers (plant personnel) provided are for use if an individual is not onsite, the appropriate response center has not been manned, etc.

2. Provide the initial information on Form 1903.10M to the following groups:

NOTE: Upon declaration of any General Emergency, ensure that the following recommendation is made by the Duty Emergency Coordinator to Arkansas Department of Health personnel: As a minimum, recommend sheltering within a 2-mile radius of the plant and 5 miles in the downwind direction.

- 2.1 Duty Emergency Coordinator (a duty roster is maintained in the Control Room area); beeper available; refer to Attachment 1 for telephone numbers as necessary.

NOTE: If the Technical Operations Control Center has been activated, the Technical Operations Control Officer may be contacted in lieu of the Health Department.

- 2.2 Arkansas Department of Health ( ) or contact the OES ( ) or use the OES radio channel) and request them to notify the Health Department]. (This notification is required to be made within 15 minutes of an EAL declaration.)

- 2.3 Staff Augmentation Group (a duty roster/call list is maintained in the Control Room area).

NOTE: The following minimum information should be provided to the team leader: affected unit, EAL declared, appropriate plant conditions/parameters, required response and suggested protective actions (if necessary).

- 2.3.1 Health Physics (Beeper available)

- 2.3.2 Engineering/Technical Support Section (Beeper available)

- 2.4 Nuclear Regulatory Commission [Hotline; or ( ) or Health Physics Network phone (22); or ( )]

THE MATERIAL CONTAINED WITHIN THE SYMBOLS (•) IS PROPRIETARY OR PRIVATE INFORMATION.



PLANT MANUAL SECTION:  
EMERGENCY PLAN  
PROCEDURE

PROCEDURE/WORK PLAN TITLE:  
EMERGENCY ACTION LEVEL RESPONSE

NO:  
1903.10

## ARKANSAS NUCLEAR ONE

PAGE 48 of 64  
REVISION 10 DATE 08/10/83  
CHANGE DATE



### ARKANSAS POWER & LIGHT COMPANY Arkansas Nuclear One

TITLE: EMERGENCY ACTION LEVEL RESPONSE

FORM NO. 1903.101

REV. 10 PC #

#### GENERAL EMERGENCY DUTY EMERGENCY COORDINATOR NOTIFICATION LIST AND RECORD

DATE \_\_\_\_\_

INITIALS/TIME \_\_\_\_\_

1. Notified that General Emergency Emergency Action Level has been declared, based on the following conditions (list):

---

---

---

---

2. If not previously accomplished, complete the Site Emergency Emergency Duty Emergency Coordinator Notification List and Record (Form 1903.101).

NOTE: Upon declaration of any General Emergency, make the following recommendation to Arkansas Department of Health personnel: As a minimum, recommend sheltering within a 2-mile radius of the plant and 5 miles in the downwind direction.

3. Turn over this Notification List and Record and other pertinent documents and notes to the Recovery Manager.

\_\_\_\_\_  
Duty Emergency Coordinator



PLANT MANUAL SECTION:  
EMERGENCY PLAN  
PROCEDURE

PROCEDURE/WORK PLAN TITLE:  
EMERGENCY ACTION LEVEL RESPONSE

NO:  
1903.10

## ARKANSAS NUCLEAR ONE

PAGE 51 of 64  
REVISION 10 DATE 08/10/83  
CHANGE DATE



### ARKANSAS POWER & LIGHT COMPANY Arkansas Nuclear One

TITLE: EMERGENCY ACTION LEVEL (EAL) NOTIFICATION

FORM NO. 1903.10N  
REV. # 10 PC #

Page 3 of 3

11. Type of Release:

- ☐ Airborne  
☐ Waterborne  
☐ Surface Spill

12. Areas Affected by Radiological Release (Sectors/Distance):

13. Description of Release Material (Chemical and Physical Form, Estimate of Equivalent Curies of I-131 and Xe-133 Released, Release Rate (Ci/sec), Iodine/Noble Gas Ratio, etc.):

14. A. Wind Direction: (From) \_\_\_\_\_°  
B. Wind Speed: \_\_\_\_\_ mph

15. Temperature: \_\_\_\_\_°F

16. Precipitation: A. ☐ Yes ☐ No ☐ Occasional  
B. Form \_\_\_\_\_

17. Atmospheric Stability Class: \_\_\_\_\_

18. Estimated start time and duration of the release:

Start \_\_\_\_\_

Duration \_\_\_\_\_

19. A = Actual  
P = Projected

#### DOSE RATES

#### INTEGRATED DOSE

		Distance (mi)	WB	CT	WB	CT
Check One:	<input type="checkbox"/> A <input type="checkbox"/> P	(0.65)	_____ mR/hr	_____ mR/hr	_____ mR	_____ mR
	<input type="checkbox"/> A <input type="checkbox"/> P	1	_____	_____	_____	_____
	<input type="checkbox"/> A <input type="checkbox"/> P	2	_____	_____	_____	_____
	<input type="checkbox"/> A <input type="checkbox"/> P	5	_____	_____	_____	_____
	<input type="checkbox"/> A <input type="checkbox"/> P	10	_____	_____	_____	_____

20. Recommended Protective Action: No Action \_\_\_\_\_ Shelter \_\_\_\_\_ Evacuation \_\_\_\_\_

21. Areas Affected by Protective Action Recommendation (Sectors/Distance) \_\_\_\_\_

22. REMARKS: \_\_\_\_\_



PLANT MANUAL SECTION:  
EMERGENCY PLAN  
PROCEDURE

PROCEDURE/WORK PLAN TITLE:  
EMERGENCY ACTION LEVEL RESPONSE

NO:  
1903.10

## ARKANSAS NUCLEAR ONE

PAGE 55 of 64  
REVISION 10 DATE 08/10/83  
CHANGE DATE

### ATTACHMENT 2

#### EMERGENCY EVACUATION TEAM ROSTER/CALL LIST

	<u>BADGE</u>	<u>WORK</u>	<u>HOME</u>
TEAM LEADER:			
•Jackie Crow	160		
ALTERNATE TEAM LEADERS:			
•J. C. Garrett	395		
•Bruno Hampton	404		
MEMBERS:			
•Mike Myers	461		
•John Beaty, Jr.	120		
•Roger Hooper	217		
•James Starr	333		
•Barbara Wade	1063		
•Barbara Dunn	168		
•Jim Wilson	497		
•Ira Mosquito	271		
•Gary Johnson	233		
•Wayne Brock	1607		
•Burl Neal	276		

THE MATERIAL CONTAINED WITHIN THESE SYMBOLS (•) IS PROPRIETARY  
OR PRIVATE INFORMATION.





PLANT MANUAL SECTION:  
EMERGENCY PLAN  
PROCEDURE

PROCEDURE/WORK PLAN TITLE:  
EMERGENCY ACTION LEVEL RESPONSE

NO:  
1903.10

## ARKANSAS NUCLEAR ONE

PAGE 57 of 64  
REVISION 10 DATE 08/10/83  
CHANGE DATE

### ATTACHMENT 4

#### EMERGENCY MEDICAL TEAM ROSTER/CALL LIST

NOTE: During non-routine working hours, notify the Shift Maintenance Medical Team - 3142/3411.

	<u>BADGE</u>	<u>WORK</u>	<u>HOME</u>
TEAM LEADER:			
•Dennis Calloway	139		
ALTERNATE TEAM LEADERS:			
•Charles Adams	102		
MEMBERS:			
•Richard Moredock	1850		
•Steve Stork	418		
•Mike Hoyt	222		
•Gerald Bartlett	114		
•Debby Moore	718		
•Bill McCord	330		
•Wayne Cheatham	148		
•Shirman Yancy	498		
•KaSandra Delph	165		
•Eileen Goulet	275		
•Paul Ford	1889		
•Curt Bailey	870		

THE MATERIAL CONTAINED WITHIN THESE SYMBOLS (•) IS PROPRIETARY OR PRIVATE INFORMATION.



PLANT MANUAL SECTION:  
EMERGENCY PLAN  
PROCEDURE

PROCEDURE/WORK PLAN TITLE:  
EMERGENCY ACTION LEVEL RESPONSE

NO:  
1903.10

## ARKANSAS NUCLEAR ONE

PAGE 58 of 64  
REVISION 10 DATE 08/10/83  
CHANGE DATE

### ATTACHMENT 5

#### EMERGENCY RADIATION TEAM ROSTER/CALL LIST

	<u>BADGE</u>	<u>WORK</u>	<u>HOME</u>
TEAM LEADER:			
•Dale Wagner	360		
ALTERNATE TEAM LEADERS:			
•Tom Nickels	332		
•Robert Green	195		
•Chuck Burchard	119		
•Walt Hada	419		
MEMBERS:			
•Jeff Garren	189		
•Ken Zelnick	382		
•Tim Smith	327		
•Steve Fowler	183		
•Maurice Ward	428		
•Wayne Wright	470		
•Danny Akins	69		
•Harold Bishop	409		
•George Cooper	1543		
•James Deal	159		
•Jeril Fancher	742		
•Vicki Hughes	559		
•Monty Manning	42		
•Danny Martin	7		
•Mikel McIntosh	1758		
•Lloyd Qualls	571		
•Dale Smith	101		
•William Wiley	1077		
•Lynn Anderson	1095		
•David Moore	555		
•Don Moore	267		
•Ron Schwartz	581		
•Michael Fultz	517		
•Timothy Tadel	564		
•Steve Burnett	505		
•Robert Brownell	678		
•Randy Stell	542		
•Danny Grace	539		
•Steven Galbo	525		
•Ben Creech	1382		
•David Martin	844		
•James Smith	593		

THE MATERIAL CONTAINED WITHIN THESE SYMBOLS (•) IS PROPRIETARY  
OR PRIVATE INFORMATION.



PLANT MANUAL SECTION:  
EMERGENCY PLAN  
PROCEDURE

PROCEDURE/WORK PLAN TITLE:  
EMERGENCY ACTION LEVEL RESPONSE

NO:  
1903.10

## ARKANSAS NUCLEAR ONE

PAGE 61 of 64

REVISION 10 DATE 08/10/83

CHANGE DATE

### ATTACHMENT 8 REMAINING EMERGENCY RESPONSE ORGANIZATION (PLANT STAFF) ROSTER/CALL LIST

NAME	BADGE	WORK	HOME
•L. W. Humphrey	410		
•J. D. Moore	268		
•R. L. Cole	157		

CONTROL ROOM/TECHNICAL SUPPORT CENTER COMMUNICATIONS PERSONNEL ROSTER/CALL LIST

•W. E. Converse	1160		
•K. Morton	511		
•L. S. Bramlett	279		
•M. A. Smith	205		
•M. J. Konya	857		
•D. B. Lomax	245		
•R. M. Copp	609		
•R. T. Blankenship	486		

EMERGENCY CONTROL CENTER COMMUNICATIONS PERSONNEL ROSTER/CALL LIST

•G. D. Provencher	1564		
•J. R. Brown	946		
•R. M. McFarland	1172		
•R. M. Cooper	1013		
•B. L. Bata	945		

TECHNICAL ADVISORY PERSONNEL ROSTER/CALL LIST

•J. Vandergrift	354		
•J. Waid	124		
•D. Barton	115		
•R. Hargrove	473		
•J. Simmons	319		
•E. Force	561		

THE MATERIAL CONTAINED WITHIN THESE SYMBOLS (•) IS PROPRIETARY OR PRIVATE INFORMATION.



PLANT MANUAL SECTION:  
EMERGENCY PLAN  
PROCEDURE

PROCEDURE/WORK PLAN TITLE:  
EMERGENCY ACTION LEVEL RESPONSE

NO:  
1903.10

## ARKANSAS NUCLEAR ONE

PAGE 64 of 64  
REVISION 10 DATE 08/10/83  
CHANGE DATE

### LOCAL CONT.

Page 3 of 3

RUSSELLVILLE: District Office: •E. Deaton• (Office) •  
(Home) •  
•J. Lee• (Office) •  
(Home) •  
•W. Harris• (Office) •  
(Home) •

Emergency Control Office

### OTHER AGENCIES

BABCOCK & WILCOX: Site Representative •(T. Scott) (Home)

Emergency Response Center

COMBUSTION ENGINEERING: Site Representative  
•(R. E. Sykes) (Home)

Emergency Response Center

BECHTEL

INSTITUTE OF NUCLEAR POWER OPERATIONS

NUCLEAR SAFETY ANALYSIS CENTER

NUCLEAR ENERGY LIABILITY PROPERTY INSURANCE ASSOCIATION

NATIONAL EARTHQUAKE INFORMATION CENTER

TENNESSE EARTHQUAKE INFORMATION CENTER

THE MATERIAL CONTAINED WITHIN THESE SYMBOLS (•) IS PROPRIETARY  
OR PRIVATE INFORMATION.