



ARKANSAS POWER & LIGHT COMPANY

Arkansas Nuclear One

TITLE: TRANSMITTAL

FORM NO. 1013.02H

REV. # 12 PC #

Arkansas Nuclear One
Russellville, Arkansas
Date 10/2/83

MEMORANDUM

TO: 106-NRC Washington

FROM: ANO DOCUMENT CONTROL

SUBJECT: ANO MASTER PLANT MANUAL UPDATE

PROCEDURE NUMBER 1903.10 REV. # 11 PC # TC # PROCEDURE TITLE EMERGENCY ACTION LEVEL RESPONSEPROCEDURE NUMBER REV. # PC # TC # PROCEDURE TITLE PROCEDURE NUMBER REV. # PC # TC # PROCEDURE TITLE

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PROCEDURE (S)

PAGE (S)

1903.10

10,11,12,20,21,22,24,33-36,47-50,
57-67.☐ 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:

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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 ☐

EMERGENCY ACTION LEVEL RESPONSE

1903.10 Rev. 11

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APPROVED BY:

APPROVAL DATE

James M. Levine
(General Manager)

10/1/83
REQUIRED EFFECTIVE DATE:



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1.0 PURPOSE

This procedure defines conditions requiring response, delineates responsibilities for action and establishes required actions for each of four "Emergency Action Levels (EAL's)".

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 which meet the criteria for the Emergency Action Levels only.

3.0 DESCRIPTION

3.1 This procedure is divided in four sections arranged in order of increasing severity, each defining and setting response requirements for individual EAL's. Each section is broken down into four subsections which include EAL classification criteria, personnel responsibilities and required actions, termination or escalation guidance and applicable forms.

3.2 This procedure is divided into the following sections:

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3.2.1	6.0	Unusual Event	4
3.2.2	7.0	Alert	14
3.2.3	8.0	Site Emergency	25
3.2.4	9.0	General Emergency	38

4.0 REFERENCES

4.1 References Used in Procedure Preparation:

4.1.1 Arkansas Nuclear One Emergency Plan

4.2 References Used in Conjunction with this Procedure:

4.2.1 1903.32, "Area Evacuation"

4.2.2 1904.02, "Offsite Dose Projection - Pocket Computer Method"



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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



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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.



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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 χ/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.



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- 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.



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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.



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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.



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UNUSUAL EVENT SHIFT OPERATIONS SUPERVISOR NOTIFICATION LIST AND RECORD

Page 1 of 2

DATE _____

INITIALS/TIME
_____/____

1. Unusual Event Emergency Action Level has been declared based on the following conditions (List):

2. Direct the Shift Technical Advisor to the Control Room. _____/_____

3. Determine which of the following sections of the Staff Augmentation Group are needed, if any, to report onsite to aid in mitigating the consequences of the emergency situation (inform the Shift Administrative Assistant of the section(s) that must be notified):

3.1 Health Physics _____

3.2 Engineering/Technical Support Section _____

3.3 None of the above _____

4. Direct the designated Shift Administrative Assistant to initiate the notifications specified on Form 1903.10B (the order of notification may be re-arranged as necessary). Assign/contact personnel to assist, as necessary. _____/_____

5. If a radiological release is involved:

5.1 Direct appropriate personnel to perform the calculations per 1904.02, "Offsite Dose Projection - Pocket Computer Method". _____/_____



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- 5.2 Provide radiological release information to the personnel responsible for making follow-up reports (SAA, TSC, ECC, ETC).
- 5.3 Direct the implementation of appropriate onsite protective actions.
6. Direct operating personnel to closely monitor plant parameters, (particularly those which are associated with the need to escalate to a higher Emergency Action Level).
7. Perform the duties of the Duty Emergency Coordinator until relieved of those responsibilities (refer to Form 1903.10C).
8. Maintain a log of the incident (this may be delegated to other personnel as available).
9. At the termination of the event, this Notification List and Record should be turned over to the Duty Emergency Coordinator.

SHIFT OPERATIONS SUPERVISOR



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UNUSUAL EVENT 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 dictated by the situation 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:

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). /

2.2 Arkansas Department of Health [*] (or contact the OES at [*] or via 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 (as directed by the Shift Operations Supervisor); (a duty roster/call list is maintained in the Control Room area).

NOTE: The following minimum information should be provided to the section leader: affected unit, EAL declared, appropriate plant conditions/parameters, required response.

2.3.1 Health Physics Section (Beeper available) /

2.3.2 Engineering/Technical Support Section (Beeper available) /

2.4 Nuclear Regulatory Commission [Hotline; or [*] or 301-427-4056; or Health Physics Network phone (22); or 301-492-7000]. /

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



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2.5 Emergency Teams requiring immediate response only (refer to the individual attachment for call list if team personnel are not currently on site):

NOTE: The following minimum information should be provided to the team leader: affected unit, EAL declared, appropriate plant conditions/parameters, required response.

2.5.1 Security Personnel (•) or Evacuation Team (Attachment 2) /

2.5.2 Fire Team (Attachment 3) /

2.5.3 Medical Team (Attachment 4) /

NOTE: If the Health Physics section of the Staff Augmentation Group has been activated, the personnel on the Radiation Team are already being contacted.

2.5.4 Radiation Team (Attachment 5) /

2.6 Little Rock Control Center (•) or contact either the OES or the MSS Dispatch Center and request them to notify the LRCC). /

2.7 General Manager (•) /

2.8 NRC Resident Inspectors (either one): /

2.8.1 •J. Cummins •

2.8.2 •L.J. Callan •

Provide updates, as necessary, to the following groups:

3.1 Duty Emergency Coordinator

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

3.3 Arkansas Department of Health

3.4 Little Rock Control Center

4. At the termination of the event, this form and other applicable information should be turned over to the Duty Emergency Coordinator.

Shift Administrative Assistant

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UNUSUAL EVENT DUTY EMERGENCY COORDINATOR NOTIFICATION LIST AND RECORD

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

2. If on-site, or if deemed necessary to report to site, record the time that the Shift Operations Supervisor was relieved of Duty Emergency Coordinator responsibilities.

3. If a radiological release is involved:

- 3.1 Relieve the Shift Operations Supervisor of responsibilities for calculating offsite dose projections.

4. Provide updates to the following groups, as necessary:

4.1 General Manager •

4.2 NRC Resident Inspector (initially contacted)
(Include all available radiological release information)

4.2.1 •J. Cummins •

4.2.2 •L.J. Callan •

5. At the termination of the event, provide a verbal summary to:

5.1 Nuclear Regulatory Commission (Hotline;
or • •)

5.2 Arkansas Department of Health •

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6. Provide a written summary of the event to the Emergency Planning Coordinators.

DUTY EMERGENCY COORDINATOR



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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 I^{131} dose equivalent activity is greater than 100 $\mu\text{Ci/gm}$.
 - 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.



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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.



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- 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.



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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.



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ALERT
SHIFT OPERATIONS SUPERVISOR
NOTIFICATION AND RECORD

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DATE _____

INITIALS/TIME _____

1. The Alert Emergency Action Level has been declared based on the following conditions (List):

2. Direct the Shift Technical Advisor to the Control Room. _____

3. Determine which of the following sections of the Staff Augmentation Group are needed, if any, to report onsite to aid in mitigating the consequences of the emergency situation (inform the Shift Administrative Assistant of the section(s) that must be notified):

3.1 Health Physics _____

3.2 Engineering/Technical Support Section _____

3.3 None of the above _____

4. Direct the Shift Administrative Assistant to initiate the notifications specified on Form 1903.10E (the order of notifications may be rearranged as necessary). Assign/contact personnel to assist, as necessary. _____

5. If a radiological release is involved (unless previously relieved of this responsibility):

5.1 Direct appropriate personnel to perform the calculations per 1904.02, "Offsite Dose Projection - Pocket Computer Method". _____

5.2 Provide radiological release information to the personnel responsible for making follow-up reports (SAA, TSC, ECC, ETC.).



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DATE _____

INITIALS/TIME _____

- 5.3 Direct the implementation of appropriate onsite protective actions.
6. Direct the Facilities Maintenance Coordinator (D. Moore or Bobby Cole; see Attachment 8) to activate the Emergency Control Center. _____/_____
7. Notify onsite personnel that an Alert has been declared and describe the nature of the alert. _____/_____
8. Direct operating personnel to closely monitor plant parameters (particularly those identified with the need to escalate to a higher Emergency Action Level.)
9. Perform the duties of the Duty Emergency Coordinator until relieved of those responsibilities (refer to Form 1903.10F).
10. Maintain a log of the incident (this may be delegated to other personnel as available).
11. At the termination of the Emergency Action Level, this Notification List and Record should be turned over to the Duty Emergency Coordinator.

SHIFT OPERATIONS SUPERVISOR



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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:

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).

2.2 Arkansas Department of Health [*661-2136*]; or contact the OES (*374-1201*) 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.)

- 2.2.1 If a decision is made by the Arkansas Department of Health to activate the Early Warning System, the SAA will receive the following message via telephone:

"This is . I am the Arkansas Department of Health Staff Duty Officer for the week. I am requesting that you disable the emergency radio repeater on Mt. Nebo in order to allow activation of the Early Warning System. Please standby for notification of completion of system activation."

Ensure that the Unit 1 Master Radio Console is selected to Channel 3 and then depress the push-button switch labeled "repeater". The SAA should maintain an open line of telephone communication with the Staff Duty Officer until the following message is received:

"Activation is complete, return system to prior status".

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



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INITIALS/TIME _____

- 2.3 Staff Augmentation Group (as directed by the Shift Operations Supervisor); (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 Section (Beeper available) _____ / _____

2.3.2 Engineering/Technical Support Section (Beeper available) _____ / _____

2.4 Nuclear Regulatory Commission [Hotline; or *
or Health Physics Network phone
*]. _____ / _____

2.5 Emergency Teams requiring immediate response (refer to the indicated attachment for call out list if team personnel are not currently on site.) _____ / _____

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).

2.5.1 Evacuation Team (Attachment 2) _____ / _____

2.5.2 Fire Team (Attachment 3) _____ / _____

2.5.3 Medical Team (Attachment 4) _____ / _____

NOTE: If the Health Physics/Radiochemistry section of the Staff Augmentation Group has been activated, the personnel on the Radiation Team are already being contacted.

2.5.4 Radiation Team (Attachment 5) _____ / _____

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2.6 Operations Management (contact one of the following individuals):

2.6.1 •B. A. Baker

2.6.2 •S. J. McWilliams

2.6.3 •R. P. Wewers

2.7 Little Rock Control Center (• •; or contact either the OES or the MSS Dispatch Center and request them to notify the LRCC).

2.8 Emergency Teams not requiring immediate response (refer to the indicated attachment for call list team personnel are not currently onsite):

NOTE: The following minimum information should be provided to the team leader: affected unit, EAL declared, appropriate plant conditions/parameters, time team placed "on call."

2.8.1 Evacuation Team (Attachment 2)

2.8.2 Fire Team (Attachment 3)

2.8.3 Medical Team (Attachment 4)

2.8.4 Radiation Team (Attachment 5)

2.9 General Manager •

2.10 NRC Resident Inspectors (either one)

2.10.1 •J. Cummins

2.10.2 L.J. Callan •

3. Notify the Duty Emergency Coordinator that the initial notifications have been made (inform him of any individuals that contact could not be made with).

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



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4. Provide updates to the following groups until relieved of this responsibility:
 - 4.1 Duty Emergency Coordinator
 - 4.2 Nuclear Regulatory Commission (Include all available radiological release information)
 - 4.3 Arkansas Department of Health (at least hourly or as directed)
 - 4.4 Little Rock Control Center (unless otherwise directed)
5. Unless required to report onsite, at the termination of the event, notify the individuals contacted in Step 2.8 above to secure from "on call" status.
6. At the termination of the event, this form and other applicable information should be turned over to the Duty Emergency Coordinator.

Shift Administrative Assistant



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ALERT 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).

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DATE _____

INITIALS/TIME
_____/_____

6. If deemed necessary, assign personnel to perform the following duties:
 - 6.1 Man open phone links between the Control Room and the Technical Support Center (refer to Attachment 8).
 - 6.2 Man the Secondary Technical Support Center, if activated (QA personnel to be used as communicators; refer to Attachment 8, "Emergency Control Center Communications Personnel Roster/Call List").
 - 6.3 Man the Training Center Switchboard and the ANO Plant Switchboard (contact M. K. Bishop per Attachment 7).
 - 6.4 Update status boards.
 - 6.5 Perform offsite dose projections.
 - 6.6 Other duties as necessary to support the incident response.
7. Update the Control Room periodically on the status of personnel reporting onsite or emergency response centers being activated.
8. At the termination of the event, the following summaries shall be provided:
 - 8.1 A verbal summary to:
 - 8.1.1 Nuclear Regulatory Commission _____
 - 8.1.2 Arkansas Department of Health _____
 - 8.2 A written summary of the event to the Emergency Planning Coordinators.

Duty Emergency Coordinator



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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.



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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 offsite 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.



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- 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.



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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.



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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.



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SITE EMERGENCY
SHIFT OPERATIONS SUPERVISOR
NOTIFICATION LIST AND RECORD

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DATE _____

INITIALS/TIME _____

1. The Site Emergency Emergency Action Level has been declared based on the following conditions (List):

2. Direct the Shift Technical Advisor to the Control Room. _____ / _____

3. Direct the Shift Administrative Assistant to initiate the notifications specified on Form 1903.10H (the order of notifications may be rearranged as necessary). Assign/contact personnel to assist as necessary. _____ / _____

4. If a radiological release is involved (unless previously relieved of this responsibility):

- 4.1 Direct appropriate personnel to perform the calculations per 1904.02, "Offsite Dose Projection - Pocket Computer Method". _____ / _____

- 4.2 Provide radiological release information to the personnel for making follow-up reports (SAA, TSC, ECC, etc.).

- 4.3 Direct the implementation of appropriate onsite protective actions (unless previously relieved of this responsibility).



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_____/____

5. Notify onsite personnel that a Site Emergency has been declared, and describe the nature of the emergency.
6. Direct operating personnel to closely monitor plant parameters (particularly those identified with the need to escalate to a General Emergency Emergency Action Level).
7. Perform the duties of the Duty Emergency Coordinator until relieved of those responsibilities (refer to 1903.10I).
8. Maintain a log of the incident (this may be delegated to other personnel as available).
9. At the termination of the Emergency Action Level, this Notification List and Record should be turned over to the Recovery Manager.

SHIFT OPERATIONS SUPERVISOR



PLANT NAME AND LOCATION
ARIZONA POWER

PROCEDURE WORK PLAN TITLE

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1. Complete in back of Form 1903.10M, "EAL Notification" as available information and time allowed.

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 (plaid per console) provided are for use if no individual is at console; the appropriate radio center should not have been reached, etc.

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

- 2.1 Duty Emergency Coordinator (a duty roster is maintained in the Shift Supervisor's office); if not on-site, see Attachment 1 for telephone numbers as necessary.

NOTE: If the Unit 1 Emergency Response Center is activated, the Technical Operations Control Office may be contacted to liaise with the Health Department.

- 2.2 Arkansas Department of Health (see Attachment 1 for address) or use the On-Call (Label) and request them to notify the Health Department. (This notification is required to be made within 15 minutes of an EAL activation.)

- 2.2.1 If a decision is made by the Arkansas Department of Health to activate the Early Warning System, the SAA will receive the following message via telephone:

"This is [Name], I am the Arkansas Department of Health Shift Duty Officer for the unit. I am requesting that you disable the emergency radio repeater on Mt. Nebo in order to allow activation of the Early Warning System. Please standby for notification of completion of system activation."

Ensure that the Unit 1 Master Radio Console is selected to Channel 1 and then depress the push-button switch labeled "repeater". The SAA should establish an open line of telephone communication with the Shift Duty Officer using the following message in response:

"Activation is complete, retain system to prior status."

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SITE 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:

- 2.1 Duty Emergency Coordinator (a duty roster is maintained in the Shift Supervisor's office); if not on-site, 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.)

- 2.2.1 If a decision is made by the Arkansas Department of Health to activate the Early Warning System, the SAA will receive the following message via telephone:

"This is _____ I am the Arkansas Department of Health Staff Duty Officer for the week. I am requesting that you disable the emergency radio repeater on Mt. Nebo in order to allow activation of the Early Warning System. Please standby for notification of completion of system activation."

Ensure that the Unit 1 Master Radio Console is selected to Channel 3 and then depress the push-button switch labeled "repeater". The SAA should maintain an open line of telephone communication with the Staff Duty Officer until the following message is received:

"Activation is complete, return system to prior status".

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- 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 Section (Beeper available) _____ /

2.3.2 Engineering/Technical Support Section (Beeper available) _____ /

2.4 Nuclear Regulatory Commission (Hotline: or _____ /
or or Health Physics Network phone or

- 2.5 Emergency Teams requiring immediate response (refer to the indicated attachment for call list if team personnel are not currently onsite).

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).

2.5.1 Evacuation Team (Attachment 2) _____ /

2.5.2 Fire Team (Attachment 3) _____ /

2.5.3 Medical Team (Attachment 4) _____ /

NOTE: If the Health Physics/Radiochemistry section of the Staff Augmentation Group has been activated, the personnel on the Radiation Team are being contacted by this means.

2.5.4 Radiation Team (Attachment 5) _____ /

NOTE: If the Emergency Control Center has been activated, the Incident Response Director may be contacted in lieu of the Little Rock Control Center.

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2.6 Little Rock Control Center (*); or contact either the OES or the MSS Dispatch Center and request them to notify the LRCC).

2.7 Emergency Teams not requiring immediate response (refer to the indicated attachment for call list if team personnel are not currently onsite).

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

2.7.1 Evacuation Team (Attachment 2)

2.7.2 Fire Team (Attachment 3)

2.7.3 Medical Team (Attachment 4)

2.7.4 Radiation Team (Attachment 5)

NOTE: If the Technical Support Center has been activated, this center may be contacted in lieu of individual contacts.

2.8 Technical Support Center Personnel (refer to Attachment 6 for call list).

2.9 Operations Support Center Personnel (refer to Attachment 7 for call list).

2.10 Other Emergency Response Organization personnel (refer to Attachment 8 for call list).

NOTE: If the Technical Support Center has been activated, this center may be requested to contact the Resident NRC Inspectors.

2.11 NRC Resident Inspectors (either one)

2.11.1 *J. Cummins

2.11.2 *L.J. Callan

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3. Notify the Duty Emergency Coordinator/Recovery Manager that the initial notifications have been made (inform him of any individuals that contact could not be made with).
4. Provide updates to the following groups until relieved of responsibility:
 - 4.1 Duty Emergency Coordinator/Recovery Manager
 - 4.2 Nuclear Regulatory Commission (Include all available radiological release information)
 - 4.3 Arkansas Department of Health or Technical Operations Control Center (at least hourly or as directed).
 - 4.4 Little Rock Control Center or Emergency Control Center (as directed).
5. At the termination of the event, this form and other applicable information should be turned over to the Duty Emergency Coordinator/Recovery Manager.

Shift Administrative Assistant

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SITE EMERGENCY DUTY EMERGENCY COORDINATOR NOTIFICATION LIST AND RECORD

DATE _____

INITIALS/TIME _____

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

2. Relieve the Shift Operations Supervisor of the following Duty Emergency Coordinator responsibilities, if not previously accomplished:

2.1 Providing direction to emergency response personnel.

2.2 Calculating the 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 or Technical Operations Control Center (as directed)

2.3.3 Little Rock Control Center or Emergency Control Center (as directed)

2.3.4 General Manager

2.4 Directing onsite protective actions.

3. Activate the Technical Support Center Staff, if not previously done (refer to Attachment 6 for call list as necessary).



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4. Activate the Operational Support Center Staff, if not previously done (refer to Attachment 7 for call list as necessary). _____ /
5. Notify remaining (plant staff) Emergency Response Organization personnel (refer to Attachment 8 for call list as necessary). _____ /
6. Assign personnel to perform the following duties if not previously done: _____ /
 - 6.1 Man open phone links between the Control Room and the Technical Support Center (refer to Attachment 8).
 - 6.2 Man the Secondary Technical Support Center, if activated (QA personnel to be used as communicators; refer to Attachment 8, "Emergency Control Center Communications Personnel Roster/Call List").
 - 6.3 Man the Training Center Switchboard and the ANO Plant Switchboard (contact M. K. Bishop per Attachment 7).
 - 6.4 Update status boards.
 - 6.5 Perform offsite dose projections.
 - 6.6 Maintain a log of personnel reporting to the Technical Support Center or the Emergency Control Center.
 - 6.7 Other duties as necessary to support the incident response.
7. Update the Control Room periodically on the status of personnel reporting onsite or emergency response centers being activated.
8. Dispatch the Offsite Radiological Monitoring Section of the Emergency Radiation Team to assess the effects of the situation on the environment. _____ /
9. Consider use of the following protective actions:
 - 9.1 Limit access to site.
 - 9.2 Plant Evacuation.
 - 9.3 Exclusion Area Evacuation.



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- 9.4 Area Evacuation (if an Area Evacuation is deemed necessary, contact one of the following groups per 1903.32, "Area Evacuation" (call in the order indicated until contact is made):
- 9.4.1 Arkansas Department of Health or Technical Operations Control Center (as directed)
 - 9.4.2 Arkansas Nuclear Planning & Response Program (968-7171)
 - 9.4.3 Appropriate County Sheriff (Refer to Attachment 1, "Emergency Telephone Numbers" for phone numbers)
10. When the following Emergency Response Organization personnel arrive onsite, transfer the indicated responsibilities to them:
- 10.1 Recovery Manager (Assumes responsibility for direction of corrective and recovery actions) _____ /
 - 10.2 Site Security Coordinator (Assumes responsibility for direction of Security/Evacuation Team personnel) _____ /
 - 10.3 Emergency Services Coordinator (Assumes responsibility for direction of the Fire and Medical Team personnel) _____ /
 - 10.4 Health Physics & Chemistry Superintendent (Assumes responsibility for direction of the Onsite Radiological Monitoring Section of the Emergency Radiation Team) _____ /
 - 10.5 Technical Support Manager (Assumes responsibility for direction of the Offsite Radiological Monitoring Section of the Emergency Radiation Team and dose assessment activities). _____ /
 - 10.6 Incident Response Director (Assumes responsibilities for direction of the overall response to the incident). _____ /
11. When item (10) has been completed, turn over this notification. List and record and other pertinent documents to the Recovery Manager.
12. At the termination of the event, the following summaries shall be provided:
- 12.1 A verbal summary to:
 - 12.1.1 Nuclear Regulatory Commission _____ /
 - 12.1.2 Arkansas Department of Health _____ /
 - 12.2 A written summary of the event to the Emergency Planning Coordinators.

Duty Emergency Coordinator



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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.



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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.



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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.



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9.2.9 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.

9.2.10 Operations Superintendents

- A. The Operations Superintendents are notified by the Shift Administrative Assistant that a General 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.

9.2.11 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 General 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 General Emergency has been declared.

9.2.12 Nuclear and Engineering Support Superintendent

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

9.2.13 Maintenance Superintendents

- A. The Maintenance Superintendents are notified by the Shift Administrative Assistant that a General Emergency has been declared.



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- 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.



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GENERAL EMERGENCY
SHIFT OPERATIONS SUPERVISOR
NOTIFICATION LIST AND RECORD

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DATE _____

INITIALS/TIME
_____/____

1. The General Emergency Emergency Action Level has been declared based on the following conditions (List):

2. Direct the Shift Technical Advisor to the Control room. _____/_____

3. Direct the Shift Administrative Assistant to initiate the notifications specified on Form 1903.10K (the order of notifications may be rearranged as necessary). Assign/contact personnel to assist as necessary. _____/_____

4. If a radiological release is involved (unless previously relieved of this responsibility):

- 4.1 Direct appropriate personnel to perform the calculations per 1904.02, "Offsite Dose Projection - Pocket Computer Method". _____/_____

- 4.2 Provide radiological release information to the personnel responsible for making follow-up reports (SAA, TSC, ECC, etc.).

- 4.3 Direct the implementation of appropriate onsite protective actions (unless relieved of this responsibility).



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/

5. Notify onsite personnel that a General Emergency has been declared, and describe the nature of the emergency.
6. Direct operating personnel to continue to closely monitor plant parameters (provide specific parameters as dictated by the situation).
7. Perform the duties of the Duty Emergency Coordinator until relieved of those responsibilities (refer to 1903.10L).
8. Maintain a log of the incident (this may be delegated to other personnel as available).
9. At the termination of the Emergency Action Level, this Notification List and Record should be turned over to the Recovery Manager.

SHIFT OPERATIONS SUPERVISOR



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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 O&S radio channel) and request them to notify the Health Department]. (This notification is required to be made within 15 minutes of an EAL declaration.)

- 2.2.1 If a decision is made by the Arkansas Department of Health to activate the Early Warning System, the SAA will receive the following message via telephone:

"This is _____. I am the Arkansas Department of Health Staff Duty Officer for the week. I am requesting that you disable the emergency radio repeater on Mt. Nebo in order to allow activation of the Early Warning System. Please standby for notification of completion of system activation."

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



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Ensure that the Unit 1 Master Radio Console is selected to Channel 3 and then depress the push-button switch labeled "repeater". The SAA should maintain an open line of telephone communication with the Staff Duty Officer until the following message is received:

"Activation is complete, return system to prior status".

- 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 or
].

- 2.5 Emergency Teams requiring immediate response (refer to the indicated attachment for call list if team personnel are not currently onsite).

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).

2.5.1 Evacuation Team (Attachment 2)

2.5.2 Fire Team (Attachment 3)

2.5.3 Medical Team (Attachment 4)

NOTE: If the Health Physics section of the Staff Augmentation Group has been activated, the personnel on the Radiation Team are being contacted by this means.

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2.5.4 Radiation Team (Attachment 5) /

NOTE: If the Emergency Control Center has been activated, the Incident Response Director may be contacted in lieu of the Little Rock Control Center.

2.6 Little Rock Control Center (*) or contact /
either the OES or the MSS Dispatch Center and request them to notify the LRCC).

2.7 Emergency Teams not requiring immediate response (refer to the indicated attachment for call list if team personnel are not currently onsite).

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

2.7.1 Evacuation Team (Attachment 2) /

2.7.2 Fire Team (Attachment 3) /

2.7.3 Medical Team (Attachment 4) /

2.7.4 Radiation Team (Attachment 5) /

NOTE: If the Technical Support Center has been activated, this center may be contacted in lieu of individual contacts.

2.8 Technical Support Center Personnel (refer to Attachment 6 for call list). /

2.9 Operations Support Center Personnel (refer to Attachment 7 for call list). /

2.10 Other Emergency Response Organization personnel (refer to Attachment 8 for call list). /

NOTE: If the Technical Support Center has been activated, this center may be requested to contact the Resident NRC Inspectors.

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- 2.11 NRC Resident Inspectors (either one)
- 2.11.1 •J. Cummins •
 - 2.11.2 •L.J. Callan •
3. Notify the Duty Emergency Coordinator/Recovery Manager that the initial notifications have been made (inform him of any individuals that contact could not be made with).
4. Provide updates to the following groups until relieved of responsibility:
- 4.1 Duty Emergency Coordinator/Recovery Manager
 - 4.2 Nuclear Regulatory Commission (Include all available radiological release information)
 - 4.3 Arkansas Department of Health or Technical Operations Control Center (at least hourly or as directed).
 - 4.4 Little Rock Control Center or Emergency Control Center (as directed).
5. At the termination of the event, this form and other applicable information should be turned over to the Duty Emergency Coordinator/Recovery Manager.

Shift Administrative Assistant

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ARKANSAS POWER & LIGHT COMPANY Arkansas Nuclear One

TITLE: EMERGENCY ACTION LEVEL RESPONSE

FORM NO. 1903.101

REV. 10 PC 8

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



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FORM NO. 1903.10M

REV. # 8 PC #

INSTRUCTIONS

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• Provide updates of significant status changes (and at least hourly updates if there are no significant changes) to the Arkansas Department of Health (excluding the Unusual Event EAL).

• Updates should be provided, via this form, to the Technical Operations Control Center (TOCC) at _____ If no answer, call the Little Rock 24-hour switchboard at _____

• Notifications to the State of Arkansas will require use of Authentication Tables.

If Challenged Message Authenticated By:

A B C D E F G H I J K L M N O (None)/

Indicate alphabetical characters challenged Response Given

• Begin transmission with the following statement: This is (identify yourself) at Arkansas Nuclear One with an Emergency Action Level Notification Report. Acknowledge when you are ready to proceed.

1. Message No. _____ (messages shall be numbered sequentially from the beginning of the event)

2. Date/Time of Message _____ DD MON YY _____ HHMM

3. N/A

4. Message Sent By: _____ / _____
Name Position

5. Unit: () One () Two

6. Class of EAL:

() A. Courtesy Call

() D. Site Emergency

() B. Unusual Event

() E. General Emergency

() C. Alert

7. Date/Time of Latest Declaration _____ DD MON YY _____ HHMM

***** STOP HERE FOR NOTIFICATION OF LITTLE ROCK CONTROL CENTER ONLY *****

8. Condition Requiring Notification [No Change ()]

***** STOP HERE FOR COURTESY CALL ONLY *****



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9. Onsite Situation (Check only appropriate responses)

A. Prognosis of Situation

- ☐ Stable
☐ Degrading
☐ Improving

B. AP&L Radiation Teams

- ☐ Activated
☐ Not Activated

C. Local Assistance Requested:

- ☐ None
☐ Fire
☐ Police
☐ Ambulance
☐ Other _____

D. Evacuation of Onsite Personnel:

- ☐ Yes
☐ No
☐ Some

E. Emergency Centers Activated

- ☐ None
☐ TSC
☐ ECC

F. Other Emergency Response Actions Underway: _____

10. Radiological release is:

- ☐ Not Expected
☐ Eminent
☐ Occurring
☐ No longer occurring

***** STOP HERE IF A RADIOLOGICAL RELEASE IS NOT EXPECTED TO OCCUR *****



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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: | () A () P | (0.65) | _____ mR/hr | _____ nR/hr | _____ mR | _____ mR |
| | () A () P | 1 | _____ | _____ | _____ | _____ |
| | () A () P | 2 | _____ | _____ | _____ | _____ |
| | () A () P | 5 | _____ | _____ | _____ | _____ |
| | () A () P | 10 | _____ | _____ | _____ | _____ |
20. Recommended Protective Action: No Action _____ Shelter _____ Evacuation _____
21. Areas Affected by Protective Action Recommendation (Sectors/Distance) _____
22. REMARKS: _____



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10.0 ATTACHMENTS

NOTE: The forms relating to specific Emergency Action Levels are located at the end of their respective Emergency Action Level Sections.

- 10.1 Form 1903.10A - Unusual Event Shift Operations Supervisor Notification List and Record; (Section 6.4).
- 10.2 Form 1903.10B - Unusual Event Shift Administrative Assistant Notification List and Record; (Section 6.4).
- 10.3 Form 1903.10C - Unusual Event Duty Emergency Coordinator Notification List and Record; (Section 6.4).
- 10.4 Form 1903.10D - Alert Shift Operations Supervisor Notification List and Record; (Section 7.4).
- 10.5 Form 1903.10E - Alert Shift Administrative Assistant Notification List and Record; (Section 7.4).
- 10.6 Form 1903.10F - Alert Duty Emergency Coordinator Notification List and Record; (Section 7.4).
- 10.7 Form 1903.10G - Site Emergency Shift Operators Supervisor Notification List and Record; (Section 8.4).
- 10.8 Form 1903.10H - Site Emergency Shift Administrative Assistant Notification List and Record; (Section 8.4).
- 10.9 Form 1903.10I - Site Emergency Duty Emergency Coordinator Notification List and Record; (Section 8.4).
- 10.10 Form 1903.10J - General Emergency Shift Operations Supervisor Notification List and Record; (Section 9.4).
- 10.11 Form 1903.10K - General Emergency Shift Administrative Assistant Notification List and Record; (Section 9.4).
- 10.12 Form 1903.10L - General Emergency Duty Emergency Coordinator Notification List and Record; (Section 9.4).
- 10.13 Form 1903.10M - Emergency Action Level Notification; (Section 10.0).
- 10.14 Attachment 1 - Duty Emergency Coordinator Roster/Call List; (Section 10.0)



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- 10.15 Attachment 2 - Emergency Evacuation Team Roster/Call List; (Section 10.0)
- 10.16 Attachment 3- Emergency Fire Team Roster/Call List; (Section 10.0)
- 10.17 Attachment 4 - Emergency Medical Team Roster/Call List (Section 10.0)
- 10.18 Attachment 5 - Emergency Radiation Team Roster/Call List; (Section 10.0)
- 10.19 Attachment 6 - Technical Support Center Roster/Call List; (Section 10.0)
- 10.20 Attachment 7 - Operational Support Center Roster/Call List (Section 10.0)
- 10.21 Attachment 8 - Remaining Emergency Response Organization (Plant Staff) and Communications Personnel Roster/Call List; (Section 10.0)
- 10.22 Attachment 9 - Emergency Telephone Numbers (Outside Assistance); (Section 10.0).



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ATTACHMENT 1

DUTY EMERGENCY COORDINATOR ROSTER/CALL LIST

<u>NAME</u>	<u>BADGE</u>	<u>WORK</u>	<u>HOME</u>
•J. M. Levine (Gen. Manager)			•
•Basil Baker			•
•Early Ewing			•
•Bob Terwilliger			•
•E. L. Sanders			•
•L. W. Humphrey			•
•T. C. Baker			•
•L. J. Dugger			•
•A. B. McGregor			•
•C. N. Shively			•

(DEC = Beeper Number 602)

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ATTACHMENT 2

EMERGENCY EVACUATION TEAM ROSTER/CALL LIST

	<u>BADGE</u>	<u>WORK</u>	<u>HOME</u>
TEAM LEADER:			
•Jackie Crow			•
ALTERNATE TEAM LEADERS:			
•J. C. Garrett			
•Bruno Hampton			
MEMBERS:			
•Mike Myers			•
•John Beaty, Jr.			•
•Roger Hooper			•
•James Starr			•
•Barbara Wade			•
•Barbara Dunn			•
•Jim Wilson			•
•Ira Mosquito			•
•Gary Johnson			•
•Wayne Brock			•
•Burl Neal			•

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ATTACHMENT 3

EMERGENCY FIRE TEAM ROSTER/CALL LIST

	<u>BADGE</u>	<u>WORK</u>	<u>HOME</u>
TEAM LEADER:			
•Jim Bob Jackson			
ALTERNATE TEAM LEADERS:			
•Larry Munson			
MEMBERS:			
•Charles May			•
•Waldron			•
•Tom Wilks			•
•Glenn Brooks			•
•Chester Wetzel			•
•Johnny Walker			•
•Marion Hall			•
•Tim A. Smith			•
•John Vaughn			•

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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			
ALTERNATE TEAM LEADERS:			
•Charles Adams			
MEMBERS:			
•Richard Moredock			
•Steve Stork			
•Mike Hoyt			
•Gerald Bartlett			
•Debby Moore			
•Bill McCord			
•Wayne Cheatham			
•Shirman Yancy			
•KaSandra Delph			
•Eileen Goulet			
•Paul Ford			
•Curt Bailey			

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ATTACHMENT 5

EMERGENCY RADIATION TEAM ROSTER/CALL LIST

BADGE

WORK

HOME

TEAM LEADER:

- Dale Wagner

ALTERNATE TEAM LEADERS:

- Tom Nickels
- Robert Green
- Chuck Burchard
- Walt Hada

MEMBERS:

- Jeff Garren
- Ken Zelnick
- Tim Smith
- Steve Fowler
- Maurice Ward
- Wayne Wright
- Danny Akins
- Harold Bishop
- George Cooper
- James Deal
- Jeril Fancher
- Vicki Hughes
- Monty Manning
- Danny Martin
- Mikel McIntosh
- Lloyd Qualls
- Dale Smith
- William Wiley
- Lynn Anderson
- David Moore
- Don Moore
- Ron Schwartz
- Michael Fultz
- Timothy Tadel
- Steve Burnett
- Robert Brownell
- Randy Stell
- Danny Grace
- Steven Galbo
- Ben Creech
- David Martin
- James Smith

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ATTACHMENT 6

TECHNICAL SUPPORT CENTER STAFF ROSTER/CALL LIST

	<u>BADGE</u>	<u>WORK</u>	<u>HOME</u>
•J. M. Levine			
•E. L. Sanders			
•B. A. Baker			
•T. C. Baker			
•M. J. Bolanis			
•E. C. Ewing			
•A. B. McGregor			

(Beeper = 601)

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ATTACHMENT 7

OPERATIONAL SUPPORT CENTER STAFF ROSTER/CALL LIST

<u>BADGE</u>	<u>WORK/OSC</u>	<u>HOME</u>
•P. Jones		•
•V. C. Pettus		•
•H. R. Tucker		•
•G. L. Fiser		•
•R. D. Gillespie		•
•C. Fellhauer		•
•J. B. Lamb		•
•H. L. Hollis		•
•M. K. Bishop		•
•S. J. McWilliams		•
•R. Wewers		•
•G. D. Helmick		•
•C. N. Shively		•

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

NAME	BADGE	WORK	HOME
•L. W. Humphrey			•
•J. D. Moore			•
•R. L. Cole			•
CONTROL ROOM/TECHNICAL SUPPORT CENTER COMMUNICATIONS PERSONNEL ROSTER/CALL LIST			
•W. E. Converse			•
•K. Morton			•
•L. S. Bramlett			•
•M. A. Smith			•
•M. J. Konya			•
•D. B. Lomax			•
•R. M. Copp			•
•R. T. Blankenship			•

EMERGENCY CONTROL CENTER COMMUNICATIONS PERSONNEL ROSTER/CALL LIST

•G. D. Provencher	•
•J. R. Brown	•
•R. M. McFarland	•
•R. M. Cooper	•
•B. L. Bata	•

TECHNICAL ADVISORY PERSONNEL ROSTER/CALL LIST

•J. Vandergrift	•
•J. Waid	•
•D. Barton	•
•R. Hargrove	•
•J. Simmons	•
•E. Force	•

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EMERGENCY TELEPHONE NUMBERS (OUTSIDE ASSISTANCE)

NOTE: All area codes are 501 unless otherwise noted.

FEDERAL

Corps of Engineers (Dardanelle)	968-5008
Department of Energy (Radiological Emergency Assistance Team)	615-576-1005
Nuclear Regulatory Commission, Region IV	817-860-8100

STATE

Arkansas Nuclear Planning & Response Program (Russellville)	968-7171
Arkansas State Department of Health (Bureau of Environmental Health Services)	
Arkansas State Police (Clarksville)	754-3096 754-8606
Office of Emergency Services (Conway)	
Technical Operations Control Center (TOCC) Technical Operations Control Officer	968-4704 968-4706
Public Notification	968-4700 968-4701

LOCAL

POPE:	Ambulance Service	968-4567
	Sheriff's Department	968-2558
	Emergency Operations Center	968-2558
YELL:	Sheriff's Department	229-4175
	Emergency Operations Center	495-7131
JOHNSON:	Sheriff's Department	754-2200
	Emergency Operations Center	754-6383
LOGAN:	Sheriff's Department	963-3271
	Emergency Operations Center	963-3218

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RUSSELLVILLE: Millard Henry Clinic 968-2345
968-6211

Russellville Fire Department 968-8110

St. Mary's Hospital 968-6211
968-2841

Arkla Gas Company 968-2588
318-226-2700

Missouri-Pacific Railway Co. 968-4167
800-482-5950

KARV 968-1184

ARKANSAS POWER LIGHT

ARKANSAS NUCLEAR ONE: Emergency Control Center • •
Main Guard Station • •
Unit One Control Room • •
Unit Two Control Room • •

LITTLE ROCK

Senior Vice President, Energy Supply (Office) • •
•(W. Cavanaugh)• (Home) • •

Vice President, Nuclear Operations (Office) • •
•(J. Griffin)• (Home) • •

Director, Administrative (Office) • •
•Services (D. Rueter)• (Home) • •

Manager, Licensing (Office) • •
•(J. Marshall)• (Home) • •

Director, Generation - Technology (Office) • •
•(T. Kilgore)• (Home) • •

Corporate Health Physicist (Office) • •
•(D. Snellings)• (Home) • •

Director, Fossil Operations (Office) • •
•(D. Sikes)• (Home) • •

Vice President, Corporate Communications (Office) • •
•(C. Kelly)• (Home) • •

Manager, Corporate Security (Office) • •
•(C. Dunn)• (Home) • •

Little Rock Control Center • •



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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	415-768-3840 415-768-3841
INSTITUTE OF NUCLEAR POWER OPERATIONS	404-953-0904
NUCLEAR SAFETY ANALYSIS CENTER	415-855-2000
NUCLEAR ENERGY LIABILITY PROPERTY INSURANCE ASSOCIATION	203-677-7305
NATIONAL EARTHQUAKE INFORMATION CENTER	303-234-3994
TENNESSE EARTHQUAKE INFORMATION CENTER	901-454-2007

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