



ARKANSAS POWER & LIGHT COMPANY

Arkansas Nuclear One

TITLE: RECORD OF CHANGES AND REVISIONS

FORM NO. 1000.06A

EMERGENCY PLAN

REV. # 12 PC #

Safety Related YES ☒ NO ☐

EXCLUSION AREA EVACUATION

1903.31 REV. 5

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PAGE	REV	PC#	PAGE	REV	PC#	PAGE	REV	PC#	PAGE	REV	PC#	PAGE	REV	PC#
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1 5

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APPROVED BY:

(General Manager)

APPROVAL DATE

12/22/83

REQUIRED EFFECTIVE DATE:



PLANT MANUAL SECTION:

PROCEDURE/WORK PLAN TITLE:

NO:

EMERGENCY PLAN

EXCLUSION AREA EVACUATION

1903.31

ARKANSAS NUCLEAR ONE

PAGE 1 of 5

REVISION 5 DATE 12/03/83

CHANGE DATE

1.0 PURPOSE

The purpose of this procedure is to provide the symptoms for which an Exclusion Area Evacuation should be declared and the subsequent actions to be taken by plant personnel.

2.0 SCOPE

This procedure is applicable to emergency situations involving Unit One and/or Unit Two.

3.0 REFERENCES

3.1 References Used in Procedure Preparation:

3.1.1 Arkansas Nuclear One Emergency Plan.

3.2 References Used in Conjunction with this Procedure:

3.2.1 1903.10, "Emergency Action Level Response"

3.3 Related ANO Procedures:

3.3.1 1903.40, "Duties of the Emergency Evacuation Team"

3.3.2 1903.30, "Plant Evacuation"

4.0 DEFINITION

4.1 An Exclusion Area Evacuation is the orderly withdrawal of personnel from that portion of the Exclusion Area which is affected by an emergency condition as described in Section 6.0.

4.2 The Exclusion Area is that area surrounding ANO within a minimum radius of 0.65 miles of the reactor buildings, but outside the protected area (security fence) and controlled to the extent necessary by AP&L during periods of emergency.

5.0 RESPONSIBILITIES

5.1 The affected unit's Shift Operations Supervisor is responsible for declaring an Exclusion Area Evacuation when any of the symptoms contained in Section 6.0 occur. The Duty Emergency Coordinator/Recovery Manager is responsible for declaration if the Emergency Response Organization has been activated.

5.2 The Duty Emergency Coordinator/Recovery Manager is responsible for coordinating emergency-related activities following the declaration of an Exclusion Area Evacuation.

5.3 Security Personnel are responsible for evacuation and assessing personnel accountability following an Exclusion Area Evacuation.



PLANT MANUAL SECTION:	PROCEDURE/WORK PLAN TITLE:	NO:
EMERGENCY PLAN	EXCLUSION AREA EVACUATION	1903.31
ARKANSAS NUCLEAR ONE		PAGE 2 of 5
		REVISION 5 DATE 12/03/83
		CHANGE DATE

- 5.4 The Emergency Evacuation Team is responsible for assisting Security personnel as directed in evacuation and personnel accountability.
- 5.5 The Emergency Medical Team is responsible for decontaminating and aiding injured contaminated personnel identified during an Exclusion Area Evacuation.
- 5.6 Emergency Team Leaders are responsible for reporting accountability of team personnel to the Technical Support Center • (Ext. 6601). •
- 5.7 Each Operational Support Center staff person is responsible for accounting for himself to the Technical Support Center • (Ext. 6601). •

6.0 SYMPTOMS

- 6.1 An Exclusion Area Evacuation will be initiated if it is determined that:
- 6.1.1 Unevaluated general area radiation levels exceed 2.5 mR/hr within the Exclusion Area.
- 6.1.2 Personnel within the Exclusion Area could receive an exposure to a toxic gas.

7.0 IMMEDIATE ACTIONS

- 7.1 Any person who identifies any of the emergency conditions described in Section 6.0 should notify the affected unit's Shift Operations Supervisor. If the potential for a plant evacuation exists and the Emergency Response Organization has been activated, the Shift Operations Supervisor and the Duty Emergency Coordinator/Recovery Manager shall discuss whether or not conditions warrant an exclusion area evacuation.
- 7.2 Upon verification, the Shift Operations Supervisor shall contact by the most expedient means the following groups, as necessary, and provide them with Designated Assembly Area, Evacuation Route(s) (based upon symptoms and prevailing wind direction) and protective measures, as necessary:
- 7.2.1 Main Guard Station.
- 7.2.2 Emergency Evacuation Team (if onsite).

NOTE: The evacuation announcement should include evacuation routes and designated assembly area.

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PLANT MANUAL SECTION:

PROCEDURE/WORK PLAN TITLE:

NO:

EMERGENCY PLAN

EXCLUSION AREA EVACUATION

1903.31

ARKANSAS NUCLEAR ONE

PAGE 3 of 5

REVISION 5 DATE 12/03/83

CHANGE DATE

- 7.3 The Shift Operations Supervisor shall declare an Exclusion Area Evacuation over the public address system (and sound the plant evacuation alarm, as necessary).
- 7.4 Shift Operations personnel on duty should report to the Control Room.
- 7.5 If a plant evacuation is required in conjunction with an exclusion area evacuation, the evacuation and accountability shall be accomplished per 1903.30, "Plant Evacuation".
- 8.0 FOLLOW-UP ACTIONS
- 8.1 Determine if any Emergency Action Level criteria have been exceeded (Refer to 1903.10, "Emergency Action Level Response").
- 8.2 Shift Operations Personnel which are onsite but not on duty should report to the Control Room from the appropriate response center.
- 8.3 If additional emergency response personnel are required, they should be contacted, as needed, by the most expedient means available and provided with a description of the situation and required response.
- 8.4 Emergency response personnel shall report to their pre-assigned assembly areas unless directed otherwise. A list of reporting individuals shall be supplied to the Technical Support Center • (Ext. 6601) • as soon as practical following announcement of the evacuation (refer to 1903.10 Attachments 1-8) for the applicable rosters. The Emergency Team Leaders and Shift Operations Supervisors are responsible for providing the accountability information for their personnel.
- 8.5 In the case of an Exclusion Area evacuation, Security shall dispatch Security Officers and/or emergency evacuation team members to assure that personnel within .65 miles of the plant are notified to leave. It is expected that the Exclusion Area will be completely evacuated within one hour of the declaration of an Exclusion Area Evacuation.
- 8.6 Personnel, other than emergency response personnel shall proceed to their respective guard house, turn in their personnel I.D. badge, exit the plant and proceed to the designated assembly area (i.e. the Emergency Control Center unless directed otherwise).
- 8.7 Security Officers shall log badges out and place them in the badge holders as expeditiously as practical.
- 8.8 As soon as badges are logged out, Security will obtain a computer printout of personnel remaining on-site. If the Security computer is not operable, Security personnel should account for exiting personnel as stated in Paragraph 8.12.

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PLANT MANUAL SECTION:	PROCEDURE/WORK PLAN TITLE:	NO:
EMERGENCY PLAN	EXCLUSION AREA EVACUATION	1903.31
ARKANSAS NUCLEAR ONE		PAGE 4 of 5
		REVISION 5 DATE 12/03/83
		CHANGE DATE

- 8.9 Security shall contact the Technical Support Center • (Ext. 6601) • and obtain the names of the accounted for Emergency Team and Operations personnel.
- 8.10 Security shall then check the list of accounted for personnel on-site against the computer printout of persons on-site. Results shall be reported to the Duty Emergency Coordinator/Recovery Manager by Security personnel.
- 8.11 If there are person(s) unaccounted for, the Duty Emergency Coordinator/Recovery Manager shall direct personnel to search for the unaccounted for individual(s).
- 8.12 If the Security computer is not working, the list of accounted for on-site personnel obtained from the Technical Support Center • (Ext. 6601) • should be checked against badges in the badge racks. Persons not accounted for in this manner will be reported to the Duty Emergency Coordinator/Recovery Manager.
- 8.13 Should there not be time for Security to complete the accountability on-site, the badges and badge racks and a master list computer printout of badged personnel and if readily available, a printout of remaining onsite personnel should be taken to the west end of the Emergency Control Center, ground floor. Accountability should then be established as stated in Paragraph 8.7 through 8.12.
- 8.14 • Security personnel shall upon ANO personnel exiting each applicable area, lock up their posts, as necessary, and assemble at the Main Guard Station. •
- 8.15 • Security shall patrol the exclusion area every two hours to notify anyone found within the area to leave. •
- 8.16 After initial accountability is established, security personnel issuing/receiving badges are responsible for notifying the Technical Support Center of changes when personnel ingress/egress the protected area.
- 8.17 When the plant is determined to have returned to a condition where the exclusion area evacuation is no longer required, the Duty Emergency Coordinator/Recovery Manager may terminate the exclusion area evacuation.

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EMERGENCY PLAN

EXCLUSION AREA EVACUATION

1903.31

ARKANSAS NUCLEAR ONE

PAGE 5 of 5

REVISION 5 DATE 12/03/83

CHANGE DATE

9.0 ROAD BLOCKS

- 9.1 Road blocks restricting access to ANO shall be manned by at least one ANO Security Officer. The ANO Security Officer shall be capable of making radio contact with the Security Duty Sergeant. The Security Duty Sergeant shall obtain verbal approval from the Duty Emergency Coordinator/Recovery Manager or the Incident Response Director before allowing passage of individuals who are not part of the response organization.

10.0 ATTACHMENTS AND FORMS

None



ARKANSAS POWER & LIGHT COMPANY
Arkansas Nuclear One

TITLE: TRANSMITTAL

FORM NO. 1013.02H

REV. # 12 PC #

Arkansas Nuclear One
Russellville, Arkansas
Date 12-28-83

MEMORANDUM

TO: 103 - NRC Washington

FROM: ANO DOCUMENT CONTROL

SUBJECT: ANO MASTER PLANT MANUAL UPDATE

PROCEDURE NUMBER 1903.31 REV. # 5 PC # TC #

PROCEDURE TITLE EXCLUSION AREA EVACUATION

PROCEDURE NUMBER REV. # PC # TC #

PROCEDURE TITLE

PROCEDURE NUMBER REV. # PC # TC #

PROCEDURE TITLE

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PROCEDURE (S)

PAGE (S)

1903.31

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

SIGNATURE

DATE

UPDATED

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