



ARKANSAS POWER & LIGHT COMPANY

Arkansas Nuclear One

TITLE: RECORD OF CHANGES AND REVISIONS

FORM NO. 1000.06A

EMERGENCY PLAN PROCEDURE

REV. # 8 PC #

PLANT EVACUATION
1903.30 REV. 3

UN - Controlled Copy # 103

PAGE	REV	PC#	PAGE	REV	PC#	PAGE	REV	PC#	PAGE	REV	PC#	PAGE	REV	PC#
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APPROVED BY:

APPROVAL DATE

James M. Levine
(General Manager)

6/11/00
REQUIRED EFFECTIVE DATE:

8206300345 820622
PDR ADOCK 05000313
F PDR



PLANT MANUAL SECTION:
EMERGENCY PLAN
PROCEDURE

PROCEDURE/WORK PLAN TITLE:
PLANT EVACUATION

NO:

1903.30

ARKANSAS NUCLEAR ONE

PAGE	3 of 7
REVISION	3
CHANGE	PC-2
DATE	03/09/82
DATE	06/02/82

6.0 SYMPTOMS

- 6.1 Unevaluated general area radiation levels exceeding 2.5 mRem/hr outside of the controlled access areas which are not attributed to any cause other than a possible radiological incident.
- 6.2 Unevaluated airborne radioactivity in excess of 1×10^{-9} $\mu\text{Ci/cc}$ measured outside of the controlled access areas.
- 6.3 An uncontrolled toxic gas leak where the hazard is not confined to a local area and the conditions continue to increase in severity.

7.0 IMMEDIATE ACTIONS

- 7.1 Any person who identifies any of the emergency conditions described in Section 6.0 shall notify the affected unit's Shift Operations Supervisor immediately. 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 a plant 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

NOTE: The evacuation announcement should include evacuation routes and designated assembly area (this announcement should be repeated several times, if possible).

- 7.3 The Shift Operations Supervisor shall declare a Plant Evacuation over the Public Address System and sound the plant evacuation alarm.
- 7.4 Shift Operations Personnel on duty should report to the Control Room.

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 Personnel other than Shift Operations Personnel in the Controlled Access Areas shall proceed to the Controlled Access points and monitor themselves, if possible, prior to exiting.

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EMERGENCY PLAN

REV. # 8 PC #

EXCLUSION AREA EVACUATION

1903.31 REV. 2

UN-Controlled Copy # 103

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

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(General Manager)



PLANT MANUAL SECTION:

PROCEDURE/WORK PLAN TITLE:

NO:

EMERGENCY PLAN

EXCLUSION AREA EVACUATION

1903 31

ARKANSAS NUCLEAR ONE

PAGE

2 of 4

REVISION

2

DATE

08/26/81

CHANGE

PC-2

DATE

06/03/82

- 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.
- 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 Δ Δ .
- 5.7 Each Operational Support Center staff person is responsible for accounting for himself to the Technical Support Center Δ Δ .
- 6.0 SYMPTOMS
- 6.1 An Exclusion Area Evacuation will be initiated if it is determined that personnel within the Exclusion Area could:
- 6.1.1 Receive a whole body dose of 0.5 Rem or a thyroid dose of 1.0 Rem (over a period of 12 months as a result of the incident).
- 6.1.2 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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ARKANSAS POWER & LIGHT COMPANY

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EMERGENCY PLAN

REV. # 8 PC #

AREA EVACUATION
1903.32 REV. 2

UN - Controlled Copy # 103

PAGE	REV	PC#	PAGE	REV	PC#	PAGE	REV	PC#	PAGE	REV	PC#	PAGE	REV	PC#
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James M. Levine
(General Manager)

6/11/82
REQUIRED EFFECTIVE DATE:



PLANT MANUAL SECTION:

PROCEDURE/WORK PLAN TITLE:

NO:

EMERGENCY PLAN

AREA EVACUATION

1903.32

ARKANSAS NUCLEAR ONE

PAGE 2 of 2

REVISION 2 DATE 08/27/81

CHANGE PC-1 DATE 06/03/82

6.0 SYMPTOMS

An Area Evacuation shall be initiated if it is determined that personnel beyond the Exclusion Area could receive a whole body dose of 1 R or a thyroid dose of 5 R.

7.0 INSTRUCTIONS

- 7.1 If the projected dose rate beyond the exclusion area is 5mR/hr or greater whole body, or 25 mR/hr or greater thyroid then the appropriate individual (the highest level of authority present) i.e.

Incident Response Director
Recovery Manager
Duty Emergency Coordinator
Shift Operations Supervisor

should take the following actions:

- 7.1.1 Notify the Arkansas Department of Health or the Arkansas Nuclear Planning & Response Program (per 1903.10, "Emergency Action Level Response") of existing plant conditions and projected dose rates. No protective action recommendation is necessary at this level unless the situation dictates otherwise.

- 7.1.2 If the agencies in Step 7.1.1 cannot be reached, the Sheriff(s) of the affected county(ies) shall be contacted (refer to 1903.10, "Emergency Action Level Response", Attachment 9 for phone numbers). Provide the information from Step 7.1.1.

- 7.2 If dose projections based on current dose rates under actual meteorological conditions and estimated time of exposure project whole body doses of 1 R or greater or thyroid doses of 5 R or greater:

- 7.2.1 Notify the Arkansas Department of Health or the Arkansas Nuclear Planning and Response Program (per 1903.10, "Emergency Action Level Response") of the existing plant conditions and the projected doses. A protective action recommendation shall be made to evacuate and/or shelter the affected sectors.

- 7.2.2 If the agencies in Step 7.2.1 cannot be reached, the Sheriff(s) of the affected county(ies) shall be contacted (refer to 1903.10, "Emergency Action Level Response", Attachment 9 for phone numbers). Provide the information from Step 7.2.1.

- 8.0 If during an area evacuation, the plant and/or exclusion area is required to be evacuated, the evacuation and accountability shall be accomplished per 1903.30, "Plant Evacuation" or procedure 1903.31, "Exclusion Area Evacuation".

9.0 ATTACHMENTS AND FORMS

None