



ARKANSAS POWER & LIGHT COMPANY

Arkansas Nuclear One

TITLE: RECORD OF CHANGES AND REVISIONS

FORM NO. 1000.06A

EMERGENCY PLAN PROCEDURE

REV. # 8 PC #

EMERGENCY ACTION LEVEL RESPONSE
1903.10 Rev. 6

Safety Alert

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PAGE	REV	PC#	PAGE	REV	PC#	PAGE	REV	PC#	PAGE	REV	PC#	PAGE	REV	PC#
1	2		41	6	1									
2	2		42	3										
3	6	1	43	5										
4	4		44	5										
5	2		45	6	3									
6	2		46	5										
7	2		47	5										
8	5		48	2										
9	5		49	2										
10	6	3	50	4										
11	6	4	50A	6										
12	6	4	50B	6										
13	2		51	6	3									
14	4		52	6										
15	2		53	6										
16	2		54	6	4									
17	2		55	6	2									
18	5		56	6	4									
18	6	1	57	6	4									
20	6	3	58	6	4									
21	6	1	59	6	1									
22	6	4	60	6	1									
23	6	4	61	6										
24	6	4												
25	6	5												
26	2													
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28	6	1												
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31	5													
32	6	3												
33	5													
34	5													
35	2													
36	6	4												
37	6	1												
38	6	5												
39	2													
40	3													

APPROVED BY:

M. Lawrence by G. Baker

(General Manager)

APPROVAL DATE

8-13-82

REQUIRED EFFECTIVE DATE:



PLANT MANUAL SECTION:
EMERGENCY PLAN
PROCEDURE

PROCEDURE/WORK PLAN TITLE:

NO:

ARKANSAS NUCLEAR ONE

EMERGENCY ACTION LEVEL RESPONSE

1903 10

PAGE	25	of	61
REVISION	6	DATE	02/18/82
CHANGE	PC-5	DATE	8/3/82

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

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.
 - 5. Direct Operations personnel and unit operations.



PLANT MANUAL SECTION:
EMERGENCY PLAN
PROCEDURE

PROCEDURE/WORK PLAN TITLE:
EMERGENCY ACTION LEVEL RESPONSE

NO:

1903 10

ARKANSAS NUCLEAR ONE

PAGE	38 of 61		
REVISION	6	DATE	02/18/82
CHANGE	PC-5	DATE	8/3/82

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

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.
 3. Direct the activities of the Initial Response Organization until relieved by the Duty Emergency Coordinator.
 4. Direct Operations personnel and unit operations.



ARKANSAS POWER & LIGHT COMPANY

Arkansas Nuclear One

TITLE: RECORD OF CHANGES AND REVISIONS

FORM NO. 1000.06A

EMERGENCY PLAN 4444

REV. # 8 PC #

AREA EVACUATION
1903.32 REV. 2

UN - Controlled Copy # 103

Safety Related

PAGE	REV	PC#	PAGE	REV	PC#	PAGE	REV	PC#	PAGE	REV	PC#	PAGE	REV	PC#
1	0													
2	2	2												

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J. M. Levine by B. Baker
(General Manager)

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EMERGENCY PLAN

AREA EVACUATION

1903.32

ARKANSAS NUCLEAR ONE

PAGE

2 of 2

REVISION

2

DATE

08/27/81

CHANGE

PC-2

DATE

08/03/82

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 50mR/hr or greater whole body, or 150 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

shall be responsible for taking the following actions:

NOTE: This responsibility shall not be delegated although the actions may be.

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