



ARKANSAS POWER & LIGHT COMPANY
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January 21, 1980

1-010-23
2-010-19

Mr. Brian K. Grimes
Emergency Preparedness Task Group
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Subject: Arkansas Nuclear One - Units 1 & 2
Docket No. ~~50-13~~ & 50-368
License No. DPR-51 & NPF-6
Evacuation Time Estimates

(File: 1510.4, 2-1510.4)

Gentlemen:

In response to your letter dated November 29, 1979, the following is provided.

Following receipt of your letter, we contacted the State of Arkansas Office of Emergency Services (OES - the state agency principally responsible for evacuations) for assistance in providing the requested information.

OES informed us that they in turn had visited with appropriate local officials. Based on these meetings, existing local warning and notification systems, experience in actual evacuation situations and ambulance response times, the estimated evacuation times on Attachment 1 were developed. The estimates were all based on adverse weather conditions and are, therefore, conservative for normal weather conditions. Sectors given are in directions from ANO out to a radius of 10 miles.

Very truly yours,

David C. Trimble

David C. Trimble
Manager, Licensing

DCT:JTE:skm

Attachment

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ESTIMATED EVACUATION TIMES
AND ENVIRONS

DISTANCE	SECTOR	POPULATION AT RISK		TIME TO EVACUATE	
		GENERAL	INSTITUTIONAL	GENERAL	INSTITUTIONAL
2 miles	NORTH	624	0	*1½ hours	-
2 miles	SOUTH	31	0	*1½ hours	-
5 miles	NE	1,288	0	**2 hours	-
5 miles	SE	5,623	502	**3 hours	****6 hours
5 miles	SW	421	0	**2 hours	-
5 miles	NW	1,023	0	**2 hours	-
10 miles	NE	3,956	0	***3 hours	-
10 miles	SE	19,858	636	***3 hours	****6 hours
10 miles	SW	1,365	0	***3 hours	-
10 miles	NW	2,163	0	***3 hours	-

* Includes notification time of 30 minutes, utilizing on-duty Sheriff's Department and Police Department personnel and equipment. Also includes time for radio station KARV to come on air and disseminate evacuation instructions. Add one hour for verification.

** Includes notification time of one hour, utilizing recalled off-duty law enforcement personnel. Add 1½ hours for verification.

*** Includes notification time of two hours, utilizing recalled off-duty law enforcement personnel. Add two hours for verification.

**** Includes time to request ambulances from surrounding communities and from the Arkansas National Guard, time for these ambulances to respond to the scene.

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