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UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

May 5, 1980

Dockets Nos. 50-313 and 50-368

Mr. William Cavanaugh, III
Vice President, Generation
and Construction
Arkansas Power & Light Company
P. O. Box 551
Little Rock, Arkansas 72203

Dear Mr. Cavanaugh:

RE: LOSS OF OFFSITE POWER EVENTS

We are currently reviewing the adequacy of the offsite power systems of nuclear power plants and in particular, the loss of offsite power events at your facility. One aspect of this review concerns the history of experienced total and partial power outages and attendant degraded voltage or frequency conditions of the grid.

In our review of this matter we have drawn upon the information provided to us via Licensee Event Reports and followup letters which have been sent to us. Our records do not indicate that you have experienced any loss of offsite power events either completely or partially. Please review your experiences and, if any are identified, then report them in answer to this letter and furnish the related information as included in the enclosure.

Please provide your response for Arkansas Nuclear One, Units Nos. 1 and 2, within 30 days of the receipt of this letter.

Sincerely,

Robert W. Reid, Chief
Operating Reactors Branch #4
Division of Licensing

Enclosure:
Request for Additional
Information

cc w/enclosure:
See next page

Arkansas Power & Light Company

cc w/enclosure(s):
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Honorable Ermil Grant
Acting County Judge of Pope County
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Little Rock, Arkansas 72205

Director, Technical Assessment
Division
Office of Radiation Programs
(AW-459)
U. S. Environmental Protection Agency
Crystal Mall #2
Arlington, Virginia 20460

U. S. Environmental Protection Agency
Region VI Office
ATTN: EIS COORDINATOR
1201 Elm Street
First International Building
Dallas, Texas 75270

Director, Bureau of Environmental
Health Services
4815 West Markham Street
Little Rock, Arkansas 72201

- A. For losses of offsite power where less than all offsite power was lost:*
1. How many circuits to the offsite network are normally available and how many were lost during the event?
 2. What was the cause of the event?
 3. Why did the other lines not fail when some did fail?
 4. Was any voltage increase or decrease experienced just prior to or during the outage? If so, please give details, voltages reached, affects, etc.
 5. Was any frequency decay experienced just prior to or during the outage? If so, please give details, lowest frequency reached, decay rate, affects on equipment operation, etc.
 6. How long was power unavailable from the circuit?
 7. Date of event.
- B. For losses of all offsite power:
1. How long was the power off? How long for partial recovery? Please give details.
 2. If turbine trip occurred, how soon after did loss of offsite power occur?
 3. If power was recovered promptly (10 minutes or less), was it due to automatic or manual actions?
 4. Was any voltage increase or decrease experienced just prior to or during the outage? If so, please give details, voltages reached, affects, etc.
 5. Was any frequency decay experienced just prior to or during the outage? If so, please give details, lowest frequency reached, decay rate, affects on equipment operation, etc.
 6. Date of event.