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Docket 50-255

SEP 25 1979

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Docket No. 50-255

Mr. David Bixel  
Nuclear Licensing Administrator  
Consumers Power Company  
212 West Michigan Avenue  
Jackson, Michigan 49201

NRC PDR  
Local PDR  
ORB#2 RDG  
NRR RDG  
DEisenhut  
RVollmer  
BGrimes  
WGammill  
JMiller  
LShao  
TCarter  
DLZiemann  
RSilver  
HSmith

Dear Mr. Bixel:

# REGULATORY DOCKET FILE COPY

RE: PALISADES PLANT

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 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 you have sent to us. Our review of these reports indicated the loss of offsite power events have occurred at Palisades Plant on September 2, 1971, October 17, 1974, September 24, 1977, November 25, 1977, December 11, 1977, and May 23, 1978. To complete our review of loss of offsite power events we require the additional information concerning the plant offsite grid indicated in the enclosure to this letter.

Please provide your response to the attached questions for the Palisades Plant within 90 days of receipt of this letter.

Sincerely,

\*Original Signed by  
Thomas V. Wambach\*

*for*

Dennis L. Ziemann, Chief  
Operating Reactors Branch #2  
Division of Operating Reactors

*ccp*

Enclosure:  
Request for Additional  
Information

cc w/enclosure:

7910160 306 Appl

OFFICE	See next page	DOR:ORB#2	DOR:ORB#2	DOR:ORB#2	
SURNAME		HSmith	RSilver	DLZiemann	P
DATE		9/24/79	9/24/79	9/25/79	

Mr. David Bixel

- 2 -

September 25, 1979

cc

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ENCLOSURE

REQUEST FOR ADDITIONAL INFORMATION

LOSS OF OFFSITE POWER

- 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.
- C. Were there any other loss of offsite power events other than we have listed? If so, please give details of each event.