



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

NOV 16 1979

MEMORANDUM FOR: William P. Gammill, Acting Assistant Director for
Operating Reactor Projects, DOR

Richard H. Vollmer, Acting Assistant Director for
Systematic Evaluation Program- DOR

FROM: Darrell G. Eisenhower, Acting Director, Division
of Operating Reactors

SUBJECT: LOSS OF OFFSITE POWER SURVEY

Our previous memo dated August 20, 1979, relating to loss of offsite power survey requested a survey of offsite power experience for certain plants that had reported either total or partial interruptions of offsite power. These plants were identified as a result of their LER's.

Since that time we have determined that this survey should include all plants since there may be cases where similar experiences may not have been reported.

This information is a necessary part of Task Action Plan A-44, Station Blackout, which has a high priority. Therefore, the attached questions and sample letter should be sent to the remaining licensees who have not been previously contacted.

Darrell G. Eisenhower, Acting Director
Division of Operating Reactors

Enclosures:

1. Sample Letter
2. Loss of Offsite Power
Survey - questions

cc w/enclosures:
See next page

Contact:
M. Chiramal, X28333

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William P. Gammill
Richard H. Vollmer

- 2 -

NOV 16 1979

cc w/enclosures:
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OR Branch Chiefs

1501 350



UNITED STATES
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SAMPLE LETTER

Docket No. 50-

Licensee Address

Dear Mr. .

RE: _____ NUCLEAR POWER STATION (UNIT(S) _____)

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 the (fill in name of plant) Nuclear Power Plant to us within 90 days of the receipt of this letter.

, Chief
Operating Reactors Branch #
Division of Operating Reactors

Enclosure:
Request for Additional
Information

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LOSS OF OFFSITE POWER SURVEY*

- 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.