

Sera



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555
November 27, 1979

Docket No. 50-309

Mr. Robert H. Groce
Licensing Engineer
Maine Yankee Atomic Power Company
20 Turnpike Road
Westboro, Massachusetts 01581

Dear Mr. Groce:

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 whether 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 Maine Yankee Atomic Power Station to us within 90 days of the receipt of this letter.

Sincerely,

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

Enclosure:
Request for Additional
Information

cc w/enclosure:
See next page

1595 358

Yankee Atomic Electric Company

CC:

E. W. Thurlow, President
Maine Yankee Atomic Power Company
9 Green Street
Augusta, Maine 04330

Mr. Robert R. Radcliffe
Office of Energy Resources
55 Capitol Street
Augusta, Maine 04330

Mr. Donald E. Vandenburg
Vice President - Engineering
Yankee Atomic Electric Company
20 Turnpike Road
Westboro, Massachusetts 01581

John A. Ritsher, Esquire
Ropes and Gray
225 Franklin Street
Boston, Massachusetts 02110

Mr. John M. R. Paterson
Assistant Attorney General
State of Maine
Augusta, Maine 04330

Mr. Nicholas Barth
Executive Director
Sheepscot Valley Conservation
Association, Inc.
P. O. Box 125
Alna, Maine 04535

Wiscasset Public Library Association
High Street
Wiscasset, Maine 04578

Mrs. L. Patricia Pyle, President
SAFE POWER FOR MAINE
Post Office Box 774
Camden, Maine 04843

1595 359

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.

1595 360