



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555
May 5, 1980

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Docket No. 50-302

Mr. J. A. Hancock
Director, Nuclear Operations
Florida Power Corporation
P. O. Box 14042, Mail Stop C-4
St. Petersburg, Florida 33733

Dear Mr. Hancock

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 Crystal River, Unit No. 3 within 30 days of the receipt of this letter.

Sincerely,

A handwritten signature in dark ink, appearing to read "Robert W. Reid".

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

Enclosure:
Request for Additional
Information

cc w/enclosure:
See next page

Florida Power Corporation

cc w/enclosure(s):

Mr. S. A. Brandimore
Vice President and General Counsel
P. O. Box 14042
St. Petersburg, Florida 33733

Mr. Wilbur Langely, Chairman
Board of County Commissioners
Citrus County
Iverness, Florida 36250

U. S. Environmental Protection Agency
Region IV Office
ATTN: EIS COORDINATOR
345 Courtland Street, N.E.
Atlanta, Georgia 30308

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

Crystal River Public Library
Crystal River, Florida 32629

Mr. J. Shreve
The Public Counsel
Room 4 Holland Bldg.
Tallahassee, Florida 32304

Administrator
Department of Environmental Regulation
Power Plant Siting Section
State of Florida
2600 Blair Stone Road
Tallahassee, Florida 32301

Attorney General
Department of Legal Affairs
The Capitol
Tallahassee, Florida 32304

Mr. Robert B. Borsum
Babcock & Wilcox
Nuclear Power Generation Division
Suite 420, 7735 Old Georgetown Road
Bethesda, Maryland 20014

Bureau of Intergovernmental
Relations
660 Apalachee Parkway
Tallahassee, Florida 32304

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.