



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

NEC PDR

50-338P

DEC 01 1978

Docket Nos. 50-338
and 50-339

Virginia Electric & Power Company
ATTN: Mr. W. L. Proffitt
Senior Vice President - Power
P. O. Box 26666
Richmond, Virginia 23261

Dear Mr. Proffitt:

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION

In your letter of October 24, 1978 you stated that you will comply with Position 1 in our letter dated July 28, 1978. We have determined that in order for us to complete our evaluation of this matter, additional information is necessary regarding the second level of undervoltage protection. The specific information requested is described in the Enclosure.

To maintain our licensing review schedule we will need a completely adequate response to the enclosed request by December 21, 1978.

Please inform us after receipt of this letter of your confirmation of the above date or the date you will be able to meet.

Sincerely,

Alan D. Parr
Alan D. Parr, Chief
Light Water Reactors Branch No. 3
Division of Project Management

Enclosure:
As stated

cc w/enclosure:
See next page

7812110195

P&A

Mr. W. L. Proffitt

cc: Mrs. James C. Arnold
P. O. Box 3951
Charlottesville, Virginia 22903

Mr. Anthony Gambaradella
Office of the Attorney General
11 South 12th Street - Room 308
Richmond, Virginia 23219

Richard M. Foster, Esq.
211 Stribling Avenue
Charlottesville, Virginia 22903

Michael W. Maupin, Esq.
Hunton, Williams, Gay & Gibson
P. O. Box 1535
Richmond, Virginia 23212

Mrs. June Allen
412 Owens Drive
Huntsville, Alabama 35801

Mr. James Torson
501 Leroy
Socorro, New Mexico 87801

Mrs. Margaret Dietrich
Route 2, Box 568
Gordonsville, Virginia 22942

William H. Rodgers, Jr., Esq.
Georgetown University Law Center
600 New Jersey Avenue, N.W.
Washington, D. C. 20001

Mr. Peter S. Hepp
Executive Vice President
Sun Shipping & Dry Dock Company
P. O. Box 540
Chester, Pennsylvania 19013

Mr. R. B. Briggs
Associate Director
110 Evans Lane
Oak Ridge, Tennessee 37830

Mr. Michael S. Kidd
U. S. Nuclear Regulatory Commission
Region II
Spotsylvania, Virginia 22553

John J. Runzer, Esq.
Pepper, Hamilton & Scheetz
123 South Broad Street
Philadelphia, Pennsylvania 19109

Clarence T. Kipps, Jr., Esq.
1700 Pennsylvania Avenue, N.W.
Washington, D. C. 20006

Carroll J. Savage, Esq.
1700 Pennsylvania Avenue, N. W.
Washington, D. C. 20006

Mr. James C. Dunstan
State Corporation Commission
Commonwealth of Virginia
Blandon Building
Richmond, Virginia 23209

Alan S. Rosenthal, Esq.
Atomic Safety and Licensing
Appeal Board
U.S. Nuclear Regulatory Commission
Washington, D. C. 20555

Michael C. Farrar, Esq.
Atomic Safety and Licensing
Appeal Board
U.S. Nuclear Regulatory Commission
Washington, D. C. 20555

Dr. John H. Buck
Atomic Safety and Licensing
Appeal Board
U.S. Nuclear Regulatory Commission
Washington, D. C. 20555

Atomic Safety and Licensing
Board Panel
U.S. Nuclear Regulatory Commission
Washington, D. C. 20555

Dr. Paul W. Purdom
Department of Civil Engineering
Drexel University
Philadelphia, Pennsylvania 19104

ENCLOSURE

Request for Additional Information
North Anna Degraded Grid Voltage Protection

1. For your second level of voltage protection, provide a description of your proposed design. This description should be keyed to items a through f of position 1 in our letter dated September 27, 1978.

The following is a definition of what is meant by the term "applicable requirements" found in item e. This relates the criteria of IEEE Std 279-1971 to the degraded grid voltage sensors.

- 1) Class 1E equipment shall be utilized and shall be physically located at and electrically connected to the emergency switchgear.
- 2) An independent scheme shall be provided for each division of emergency power.
- 3) Capability for test and calibration during power operation shall be provided.
- 4) Annunciation must be provided in the control room by any bypasses incorporated into the design.