TERA

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

July 9, 1979

Docket No. 50-155

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

Dear Mr. Bixel:

We are continuing our review of your June 14, 1978 submittal related to the generic issue of onsite power systems. Based on our review we have found that the additional information identified in the enclosure is needed to continue our review. To maintain our review schedule we request your reply within 45 days of the date of this letter.

Sincerely,

Dennis L. Ziemann

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

Enclosure:
Request for Additional
Information

cc w/enclosure:
See next page

531 358

7908080

7908080 688 P

cc w/enclosure:
Mr. Paul A. Perry, Secretary
Consumers Power Company
212 West Michigan Avenue
Jackson, Michigan 49201

Judd L. Bacon, Esquire
Consumers Power Company
212 West Michigan Avenue
Jackson, Michigan 49201

Hunton & Williams
George C. Freeman, Jr., Esquire
P. O. Box 1535
Richmond, Virginia 23212

Peter W. Steketee, Esquire
505 Peoples Building
Grand Rapids, Michigan 49503

Charlevoix Public Library
107 Clinton Street
Charlevoix, Michigan 49720

REQUEST FOR ADDITIONAL INFORMATION

BIG ROCK POINT

DEGRADED GRID VOLTAGE

1. Provide data showing the maximum and minimum voltages reflected at the 480V safety-related bus when the auxiliary systems are being supplied by the:

   a. Station generator

   b. 138 kV offsite system

   c. Backup 46 kV system

2. Provide a voltage analysis to justify your choice of placing the proposed second level undervoltage protection on the 2400 volt bus as opposed to the 480 volt safety-related bus.

3. Provide the voltage setpoint of the existing undervoltage relays on the 480 volt safety bus and their time delay.

4. Provide the total elapsed time from operation of second level undervoltage protection system to the initiation of the existing undervoltage relays to start the diesel-generator.

5. Provide the results of your voltage analysis for the full load and no-load conditions for each bus of the onsite distribution system.