



**Consumers
Power
Company**

General Offices: 212 West Michigan Avenue, Jackson, Michigan 49201 • Area Code 517 788-0550

COPY

October 31, 1980

Director, Nuclear Reactor Regulation
Att Mr Dennis M Crutchfield, Chief
Operating Reactors Branch No 5
U S Nuclear Regulatory Commission
Washington, DC 20555

DOCKET 50-155 - LICENSE DPR-6 -
BIG ROCK POINT PLANT - RESPONSE
TO ENVIRONMENTAL QUALIFICATION
OF ELECTRICAL EQUIPMENT

NRC letter dated December 23, 1977, requested Consumers Power Company to address questions pertaining to the Environmental Qualification of Safety-Related Electrical Equipment for the Big Rock Point Plant. The scope of these questions involved the identification of the electrical equipment required to perform safety functions while being subjected to design basis accidents. This information was transmitted to you by our submittals dated February 24, 1978, March 23, 1978, and November 30, 1978.

Later, NRC letter dated February 15, 1980, transmitted NRC Guidelines for Electrical Equipment Qualification (EEQ) and NRC letters dated March 6, 1980, and March 28, 1980 provided a schedule and revised schedule, respectively, for responding to the EEQ topic. An Order modifying the Big Rock Point Plant Operating License, requiring submittal of Environmental Qualification Information for Electrical Equipment, by November 1, 1980, was issued by the NRC on August 29, 1980. That Order was subsequently revised and reissued on September 19, 1980.

The attached report entitled, "Environmental Qualification of Safety-Related Electrical Equipment-Big Rock Point Plant", dated October, 1980, is being transmitted to you as our response to the Environmental Qualification of Electrical Equipment issue for the Big Rock Point Plant as well as to satisfy the requirements of the Order modifying our license.

David P Hoffman (Signed)

David P Hoffman
Nuclear Licensing Administrator

CC Director, Region III, USNRC
NRC Resident Inspector - Big Rock Point

Attachment

8011040196

CONSUMERS POWER COMPANY
Big Rock Point Plant

Environmental Qualification of Electrical Equipment
Docket 50-155
License DPR-6

At the request of the Commission and pursuant to the Atomic Energy Act of 1954 and the Energy Reorganization Act of 1974, as amended, and the Commission's Rules and Regulations thereunder, Consumers Power Company submits our response for Environmental Qualification of Electrical Equipment pursuant to the Commission's Order dated September 19, 1980. Consumers Power Company's response is dated October 31, 1980.

CONSUMERS POWER COMPANY

By R B DeWitt (Signed)
R B DeWitt, Vice President
Nuclear Operations

Sworn and subscribed to before me this 31st day of October 1980.

Linda K Carstens (Signed)
Linda K Carstens, Notary Public
Jackson County, Michigan
My commission expires June 10, 1981.

(SEAL)