June 1, 1981

Docket No. 50-255 LS05-81-06-001

> Mr. David P. Hoffman Nuclear Licensing Administrator Consumers Power Company 1945 W. Parnall Road Jackson, Michigan 49201

SEE Rgels. # 8105190338

SUBJECT: ENVIRONMENTAL QUALIFICATION OF SAFETY-RELATED ELECTRICAL EQUIPMENT

RE:

PALISADES PLANT

Reference (a) - Order for Modification of License Concerning the Environmental Qualification of Safety-Related Electrical Equipment dated October 24, 1980

Dear Mr. Hoffman:

This letter transmits the Safety Evaluation for the Environmental Qualification of Safety-Related Electrical Equipment at your facility. This evaluation was based on your submittal dated October 7, 1980. Our letter of February 10, 1980, which forwarded our preliminary results, indicated that an item-by-item re-evaluation would be required at a later date. This safety evaluation identifies the specific information required by the staff and the actions, on your part, necessary to comply with Reference (a). We request that you provide the information identified in Sections 3 and 4 of this Safety Evaluation to us within 90 days.

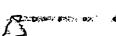
This Safety Evaluation addresses only the safety-related electrical equipment exposed to a harsh environment resulting from an accident (i.e., the IEB 79-01B review). Reference (a) requires that all safety-related electrical equipment be qualified by June 30, 1982. The NRC review effort for the equipment in mild environments will be addressed by separate correspondence.

Your response may present alternatives to the staff positions in the evaluation. The staff will consider alternative approaches if these methods are within the DOR Guidelines or NUREG-0588, as appropriate. For example, an acceptable alternative to the NRC staff's temperature criterion used for the service conditions (i.e. Section 3.3) must base that service condition on the FSAR analysis or other NRC approved analysis, provided that the specific analysis, together with reference to the previous NRC acceptance of that analysis, accompanies the 90 day response. In addition, some of the information in the Safety Evaluation may require clarification. Contact your project manager for assistance in these matters.

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It remains your responsibility to assure that the qualification deadline is met for all safety-related electrical equipment. The staff's review of your response to this letter should not delay any action which is required in order to meet the deadline.

Sincerely,

Original signed by Dennis M. Crutchfield

Dennis M. Crutchfield, Chief Operating Reactors Branch #5 Division of Licensing

## Enclosures:

- 1. Safety Evaluation Report
- TER (Proprietary Information -Withheld from Public Disclosure) dated May 13, 1981

cc w/o TER: See next page

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cc w/enclosure:
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Director, Criteria and Standards
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U. S. Environmental Protection
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Washington, D. C. 20460

U. S. Environmental Protection Agency Federal Activities Branch Region V Office ATTN: EIS COORDINATOR 230 South Dearborn Street Chicago, Illinois 60604

Charles Bechhoefer, Esq., Chairman Atomic Safety and Licensing Board Panel

U. S. Nuclear Regulatory Commission Washington, D. C. 20555

Dr. George C. Anderson Department of Oceanography University of Washington Seattle, Washington 98195

Dr. M. Stanley Livingston 1005 Calle Largo Santa Fe, New Mexico 87501

Resident Inspector c/o U. S. NRC P. O. Box 87 South Haven, Michigan 49090

Palisades Plant ATTN: Mr. Robert Montross Plant Manager Covert, Michigan 49043

William J. Scanlon, Esquire 2034 Pauline Boulevard Ann Arbor, Michigan 48103

NRC PDR WHER LPDR WHER **TERA** NSIC ORB #5 RF HSmith ORB #5 PM WIPPOP TERS GLainas J01shinski NHughes CHarwood RDiggs JWetmore 0ELD01&E ACRS Gray File Xtra Cy (6) EButcher ZRosztoczy EMurphy (W) RSchaffstall, KMC, Inc.

