June 2, 1981

Docket No. 50-206 LS05-81-06-003

> Mr. R. Dietch, Vice President Nuclear Engineering and Operations Southern California Edison Company 2244 Walnut Grove Avenue Post Office Box 800 Rosemead, California 91770

SEE Repts. # 8104090625

SUBJECT: ENVIRONMENTAL QUALIFICATION OF SAFETY-RELATED ELECTRICAL EQUIPMENT

RE: SAN ONOFRE NUCLEAR GENERATING STATION UNIT NO. 1

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

Dear Mr. Dietch:

This letter transmits the Safety Evaluation for the Environmental Qualification of Safety-Related Electrical Equipment at your facility. This evaluation was based on your submittals dated June 18, 1980, August 19, 1980 and October 31, 1980. Our letter of February 17, 1981, 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 letters dated March 5, 1981, April 16, 1981 and May 18, 1981 provides information not evaluated in the enclosed reports. Please include the information provided by these three letters in your requested 90-day response.

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

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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 April 3, 1981

cc w/o TER: See next page

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Mr. R. Dietch

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June 2, 1981

cc: Charles R. Kocher, Assistant General Counsel Southern California Edison Company Post Office Box 800 Rosemead, California 91770

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California Department of Health AITN: Chief, Environmental Radiation Control Unit Radiological Health Section 714 P Street, Room 498 Sacramento, California 95814 Director, Criteria and Standards Division

Office of Radiation Programs (ANR-460)

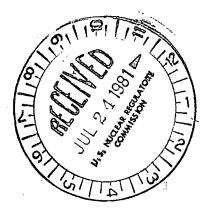
U. S. Environmental Protection Agency

Washington, D. C. 20460

U. S. Environmental Protection Agency Region IX Office ATTN: EIS COORDINATOR 215 Freemont Street San Francisco, California 94111

San Onofre

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