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Docket No. 50-206

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

Dear Mr. Dietch:

RE: REQUEST FOR ADDITIONAL INFORMATION ON SEP TOPICS VI-7.B, VI-7.C, VI-10, VII-3, VIII-2 AND VIII-3 (SAN ONFORE NUCLEAR GENERATING STATION, UNIT NO. 1)

We are continuing our review of SEP Topics VI-7.B, ESF Switchover from Injection to Recirculation Mode; VI-7.C, ECCS Single Failure Criteria; VI-10.A, Testing of Reactor Trip System and ESF; VI-10.B, Shared Engineered Safety Features; VII-3, Systems Required for Safe Shutdown; VIII-2, Onsite Emergency Power Systems - Diesel Generator; VIII-3.A, Station Battery Test Requirements and VIII-3.B, DC Power System Bus Voltage Monitoring and Annunciation. We have found that additional information described in the enclosure to this letter is needed.

We request your response within 45 days of your receipt of this letter.

Sincerely,

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

Enclosure:
Request for Additional
Information on SEP
Topics

cc w/enclosure:
See next page

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OFFICE	DL:ORB #5/LA	DL:ORB #5/PM	DL:ORB #5/C			
SURNAME	HSmith:rj	SNowicki	DCrutchfield			
DATE	9/19/80	9/10/80	9/16/80			

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

September 16, 1980

Docket No. 50-206

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Nuclear Engineering and Operations
Southern California Edison Company
2244 Walnut Grove Avenue
Post Office Box 800
Rosemead, California 91770

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Operating Reactors Branch #5
Division of Licensing

Enclosure:
Request for Additional
Information on SEP
Topics

cc w/enclosure:
See next page

cc w/enclosure:
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San Clemente, California 92672

Chairman
Board of Supervisors
County of San Diego
San Diego, California 92101

California Department of Health
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Radiation Control Unit
Radiological Health Section
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Director, Technical Assessment
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Office of Radiation Programs
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Washington, D. C. 20006

REQUEST FOR ADDITIONAL INFORMATION ON SEP TOPICS VI-7.B, VI-7.C, VI-10, VII-3, VIII-2 AND VIII-3

As a result of our preliminary review of the subject topics, we will need the information described below in order to determine: (1) how many inverters may be placed on a single power supply during operation or while shutdown, and (2) the potential consequences of losing such power supplies.

1. Quantify the number of instrument inverters in your plant and for each inverter:

   a) identify the inverter and its power supplies; and

   b) describe the switching features that are provided to switch inverter power supplies and inverter loads (including synchronization circuits).

2. Provide the requirements for:

   a) testing the transfer path's described in your responses to 1 above, and

   b) limiting the number of redundant load groups that may be placed on any maintenance power source during each operating condition.

3. Describe the consequence of one or more load groups on a single dc source losing power (e.g. automatic initiation of ECCS, automatic initiation of transfer from ECCS injection made to recirculation mode, loss of indication in the control room, loss of annunciators, loss of plant communications, loss of emergency telephones).