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NUCLEAR REGULATORY COMMISSION
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November 17, 1981

Docket No. 50-206
LS05-81-11-031

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:

SUBJECT: SAN ONOFRE UNIT 1 AUXILIARY FEEDWATER AUTOMATIC INITIATION
AND FLOW INDICATION - TMI ACTION PLAN ITEM II.E.1.2

We are continuing our review of the auxiliary feedwater automatic initiation and flow indication and request that you respond to the enclosed request for additional information* concerning the San Onofre Unit 1 Auxiliary Feedwater System. Your response is requested by December 15, 1981.* If you have any questions please contact your project manager Stanley J. Nowicki.

Sincerely,

ORIGINAL SIGNED BY:
THOMAS V. WAMBACH FOR

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

Enclosure:
Request for Additional
Information

cc w/enclosure:
See next page

*Since this request is being sent only to Southern California Edison Company and relates to an approval requested by Southern California Edison concerning an issue specific to San Onofre Unit 1, no clearance from the Office of Management and Budget (OMB) is required.

OFFICE	DL: ORB #5	DL: ORB #5					
SURNAME	SNowicki	cc: DCrutchfield	8112100041	811117			
DATE	11/17/81	11/17/81	PDR	ADOCK	05000206	PDR	

November 17, 1981

cc w/enclosure:

Charles R. Kocher, Assistant
General Counsel

James Beoletto, Esquire
Southern California Edison Company
Post Office Box 800
Rosemead, California 91770

David R. Pigott
Orrick, Herrington & Sutcliffe
600 Montgomery Street
San Francisco, California 94111

Harry B. Stoehr
San Diego Gas & Electric Company
P. O. Box 1831
San Diego, California 92112

Resident Inspector/San Onofre NPS
c/o U. S. NRC
P. O. Box 4329
San Clemente, California 92672

Mission Viejo Branch Library
24851 Chrisanta Drive
Mission Viejo, California 92676

Mayor
City of San Clemente
San Clemente, California 92672

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

California Department of Health
ATTN: Chief, Environmental
Radiation Control Unit
Radiological Health Section
714 P Street, Room 498
Sacramento, California 95814

U. S. Environmental Protection Agency
Region IX Office
ATTN: Regional Radiation Representative
215 Freemont Street
San Francisco, California 94111

REQUEST FOR ADDITIONAL INFORMATION
SAN ONOFRE UNIT 1 AUXILIARY FEEDWATER (AFW)
AUTOMATIC INITIATION AND FLOW INDICATION

1. Electrical schematic/elementary diagrams for:
 - (a) Auxiliary feedwater (AFW) automatic initiation circuits including that circuitry from the channel outputs (channel level relay contacts), through the actuation logic, to the final actuation (slave) relays.
 - (b) AFW pump control circuits for both motor and turbine driven pumps.
 - (c) AFW valve control circuits for all control/isolation valves in the AFW flow paths and valves in the steam supply lines to the turbine driven AFW pump.
2. AFW system automatic initiation logic diagram.
3. Piping and Instrumentation diagram (P&ID) of the San Onofre Unit 1 AFW system (including steam supply lines for the turbine driven AFW pump).
4. Describe the steam generator level instrumentation at the San Onofre Unit 1 facility. This description should include:
 - a) Type and number of level channels per steam generator including the range of each channel.
 - b) The specific source (vital bus) from which each of these channels is powered.
 - c) Capability for testing and calibration including intervals between tests.
 - d) The specific indication available in the control room for each channel.
5. Describe the periodic surveillance performed to verify operability of the San Onofre Unit 1 AFW automatic initiation circuits. This description should include channel checks, channel functional tests, AFW automatic initiation logic tests,

channel calibrations, and system functional tests. Indicate where these tests/calibrations are required by the plant Technical Specifications or propose changes to the Specifications to include AFW automatic initiation system surveillance.