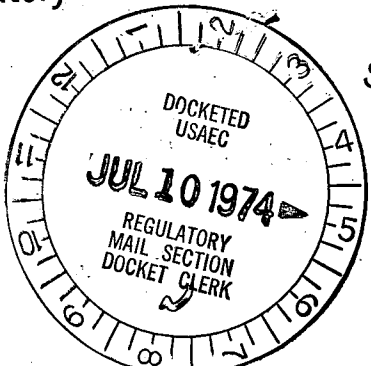


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Southern California Edison Company

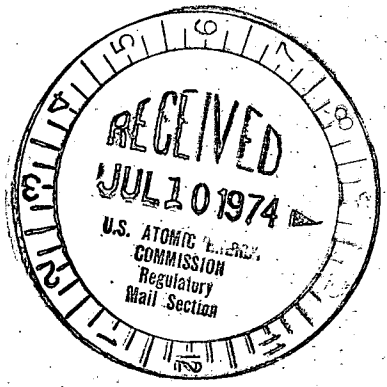
SAN ONOFRE NUCLEAR GENERATING STATION

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P. O. BOX 128

SAN CLEMENTE, CALIFORNIA 92672

July 8, 1974



Mr. H. Engleken, Director
Directorate of Regulatory Operations
Region V
P. O. Box 1515
Berkeley, California 94701

Dear Mr. Engleken:

Docket No. 50-206
San Onofre Unit 1
Reactor Trip via Nuclear
Overpower Indication
July 7, 1974

This is to inform you that a reactor trip occurred at 11:34 AM on July 7, 1974, when a spurious overpower indication was received on NIS channels 1206 and 1207. Both of these power range channels failed due to water intrusion caused by leakage from control rod drive shroud-cooling fan A8SS. Several hundred gallons of fan cooling water leaked through a cooling coil head gasket down the fan duct to the reactor head area where the NIS detectors are located. Most of the water flowed into the reactor cavity sump and some collected in the NIS detector thimbles.

NIS source range channels 1201 and 1202 and intermediate range channel 1204 also failed during the event. The reactor was borated to 10% $\Delta K/K$ shutdown margin following the reactor trip.

Preliminary investigation indicates that the gasket failure was caused by a pressure surge when water flow was momentarily interrupted and restarted during a routine autostart test of the turbine plant cooling water pumps. These pumps supply water to the containment air conditioning system, including the cooling coils for fan A8SS.

NIS power range channels 1205 and 1208 indicated normally throughout the event and verified that no nuclear overpower occurred.

Investigation of this event is continuing and a final report will be submitted to your office within 10 days.

Sincerely,

H. L. Ottoson, Superintendent

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