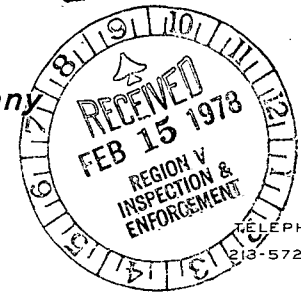


DN 50-206  
FILE

Southern California Edison Company

P. O. BOX 800  
2244 WALNUT GROVE AVENUE  
ROSEMEAD, CALIFORNIA 91770

J. T. HEAD, JR.  
VICE PRESIDENT



February 10, 1978

U. S. Nuclear Regulatory Commission  
Office of Inspection and Enforcement  
Region V  
Walnut Creek Plaza, Suite 202  
1990 North California Boulevard  
Walnut Creek, California 94596

Attention: R. H. Engelken, Director

Docket No. 50-206  
San Onofre Unit 1

Dear Sir:

This letter describes a reportable occurrence involving the Salt Water Cooling System. Submittal is in accordance with the reporting requirements stipulated in Section 6.9.2.b of Appendix A to Provisional Operating License DPR-13.

On January 16, 1978, while the south salt water cooling pump was in operation, routine maintenance was planned for the north pump. In accordance with Technical Specification 3.3.1.C, the auxiliary salt water pump was started and the south pump placed in standby to demonstrate availability of the redundant component (auxiliary pump) prior to removing the north pump from service. With the auxiliary pump in operation, the north pump was removed from service and cleared for maintenance.

At 1010, the operator made the decision to restart the south salt water pump and place the auxiliary pump in standby. When the south pump was restarted, the motor breaker tripped open, accompanied by a 480V overcurrent trip alarm. Since maintenance on the north pump had not yet commenced, it was returned to service and placed in operation at 1035. The auxiliary pump, which had remained in operation during this interval, was placed on standby once the north pump was restarted.

After removing the south pump from service and clearing it for maintenance, the pump motor and leads were meggered and found to have normal resistance to ground.

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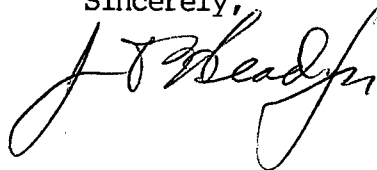
The normal motor breaker was removed, a spare breaker installed and the circuit satisfactorily tested. The south salt water pump was then placed in operation so that maintenance could continue on the north pump.

Inspection of the normal motor breaker revealed that the problem was due to a faulty internal overload relay caused by a leaking diaphragm. The faulty relay has since been replaced and the normal south pump breaker returned to service.

There was no degradation of plant safety during this incident. Plant operation, with one operable salt water cooling pump, is permitted for up to 72 hours by Technical Specification 3.3.1.B.(6).

Should you require additional information concerning this incident, please contact me.

Sincerely,



Attachment: Licensee Event Report 78-001

cc: Director, Office of Inspection & Enforcement  
Director, Office of Management Information & Program Control