

*Southern California Edison Company*

SAN ONOFRE NUCLEAR GENERATING STATION  
P.O. BOX 128  
SAN CLEMENTE, CALIFORNIA 92672

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REGION V TELEPHONE  
(714) 492-7700

H. B. RAY  
STATION MANAGER

November 24, 1982

U. S. Nuclear Regulatory Commission  
Office of Inspection and Enforcement  
Region V  
1450 Maria Lane, Suite 210  
Walnut Creek, California 94596-5368

Attention: Mr. R. H. Engelken, Regional Administrator

Dear Sir:

Subject: Docket No. 50-361  
30-Day Report  
Licensee Event Report No. 82-140  
San Onofre Nuclear Generating Station, Unit 2

This submittal is in accordance with the reporting requirements of Section 6.9.1.13b of Appendix A to Facility Operating License NPF-10. It describes a reportable occurrence involving Limiting Condition for Operation (LCO) 3.3.1 associated with the Reactor Protection System (RPS). A completed copy of LER 82-140 is enclosed.

While in Mode 1 and operating at 20%, on October 25, 1982, operator inspection revealed a mismatch in power indication between Channel B and Channels A, C and D, indicating a failure of circuitry associated with Channel B power calculation. Since this circuitry provides input for calculation of Channel B Linear Power Density (LPD) and Departure from Nucleate Boiling Ratio (DNBR), Channel B LPD and DNBR were declared inoperable at 1451 and the Action Statement associated with LCO 3.3.1 was invoked. As required by this Action Statement (Table 3.3-1, Action 2), Channel B LPD and DNBR were put in the bypassed condition within one hour.

Subsequent investigation revealed that the problem was attributable to the gain setting drift in the linear amplifier that processes the lower excure signal for the Channel B Core Protection Calculator (CPC). The

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R. H. Engelken

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November 24, 1982

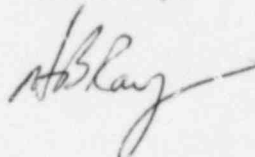
printed circuit board containing the amplifier was replaced and Channel B LPD and DNBR were declared operable in accordance with S023-3-3.25 at 2012 on October 25, 1982.

As a result of our investigation, this has been determined to be an isolated event and no other corrective action is planned at this time.

Since the RPS contains 4 channels for determination of high LPD and low DNBR and only 3 channels (all of which remained functional throughout the event) are required for operability, there was no impact on health and safety of plant personnel or the public.

If there are any questions regarding the above, please contact me.

Sincerely,



Enclosure: LER 82-140

cc: A. E. Chaffee (USNRC Resident Inspector, San Onofre Unit 2)

U. S. Nuclear Regulatory Commission  
Office of Inspection and Enforcement

U. S. Nuclear Regulatory Commission  
Office of Management Information and Program Control

Institute of Nuclear Power Operations