Southern California Edison Company

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SCE

February 4, 1983

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. 83-003
San Onofre Nuclear Generating Station, Unit 2

Pursuant to Section 6.9.1.13.b of Appendix A, Technical Specifications to Facility Operating License NPF-10 for San Onofre Unit 2, this submittal provides the required 30-day written report and a copy of Licensee Event Report (LER) for an occurrence involving Limiting Condition for Operation (LCO) 3.3.1 associated with the Reactor Protection System (RPS).

On January 7, 1983 at 1700, Unit 2 was in Mode 1 at 50% power. Operator observation revealed a failure of Core Protection Calculator (CPC) Channel A as indicated by lights on Channel A Departure from Nucleate Boiling Ratio (DNBR) trip and Linear Power Density (LPD) trip, and "CPC Fail" light indication and alarm on the remote operator's panel. After failure of the CPC Channel A to recover following an automatic restart attempt, it was declared inoperable and the appropriate Action Statement associated with LCO 3.3.1 was invoked. As required by this Action Statement (Table 3.3-1-Action 2) CPC Channel A was immediately placed in the bypassed condition. Subsequent review of the CPC automatic restart counter revealed that CPC Channel A had experienced five automatic restarts since 1200 on January 7, 1983. Based on this, Table 3.3-1-Action 7 was also invoked. This Action Statement requires that with three or more automatic restarts during a 12-hour interval, CPC operability must be demonstrated by performance of a channel functional test within the next 24 hours.

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Subsequent investigation revealed that CPC Channel A failure was attributable to a power supply anomaly. The cause of the anomaly is unknown. CPC Channel A was returned to operable status at 1930 on January 7, 1983 after performance of channel functional testing in accordance with Procedure S023-II-6.2.1. This was an isolated occurrence since no more than three automatic restarts in 12 hours have been experienced by CPC Channel A since this event and the other CPC channels had experienced no automatic restarts during this event. If future surveillances identify any additional power supply anomalies, corrective action will again be evaluated. Enclosed LER 83-003 addresses this event.

Since the RPS contains 4 CPC channels 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,

HB Ray / RC

Enclosure: LER 83-003

cc: A. E.Chaffee (USNRC Resident Inspector, San Onofre Units 2 & 3)

R. J. Pate (USNRC Resident Inspector, San Onofre Units 2 & 3)

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