

Southern California Edison Company



SAN ONOFRE NUCLEAR GENERATING STATION

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J. G. HAYNES
STATION MANAGER

February 23, 1984

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

REGION V

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Attention: Mr. J. B. Martin, Regional Administrator

Dear Sir:

Subject: Docket No. 50-361
Special Report - Loose Part Detection Instrumentation,
Revision 1
San Onofre Nuclear Generating Station, Unit 2

Reference: Letter, H. B. Ray (SCE) to J. B. Martin (NRC),
"Special Report - Loose Part Detection
Instrumentation," dated August 22, 1983

The referenced letter provided you with the required Special Report pursuant to Section 6.9.2 of Appendix A, Technical Specifications to Facility Operating License NPF-10 for San Onofre Unit 2, addressing an occurrence involving Limiting Condition for Operation (LCO) 3.3.3.10 associated with the Loose Parts Monitoring System (LPMS). This revision includes the cause of the inoperability of 3 channels of the LPMS which was unknown at the time the Special Report was submitted. As stated in the referenced letter, this investigation was scheduled for the current Mode 5 outage.

On July 12, 1983, with Unit 2 in Mode 2, Channels 1, 7 and 12 were found to be inoperable during 31-day channel functional testing in accordance with Surveillance Procedure S023-II-1.13. Channel 1 is the Lower Vessel Monitor, and Channels 7 and 12 monitor vibration in Reactor Coolant Pumps P002 and P004, respectively. Channels 8 and 11, which are redundant to Channels 7 and 12, remained operable.

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The malfunction of Channel 1 was due to sensor probes becoming detached from the bottom of the Reactor Vessel because the ceramic paste holding them in place had failed. The sensor probes were removed, cleaned and a new paste was used to reattach them and Channel 1 was restored to operable status on November 19, 1983. The malfunction of Channel 7 and 12 was due to the specified alarm setpoints not accurately reflecting the operating conditions. The proper setpoints for operation were determined and the channels were restored to operable status on November 22, 1983.

There was no impact on plant operation or the health and safety of plant personnel or the public as a result of the channels' inoperability.

If you require any additional information, please so advise.

Sincerely,



cc: A. E. Chaffee (USNRC Resident Inspector, Units 1, 2 and 3)
J. P. Stewart (USNRC Resident Inspector, Units 2 and 3)

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