



Southern California Edison Company

SAN ONOFRE NUCLEAR GENERATING STATION

P. O. BOX 128

SAN CLEMENTE, CALIFORNIA 92672

H. E. MORGAN
STATION MANAGER

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November 1, 1985

U.S. Nuclear Regulatory Commission
Document Control Desk
Washington, D.C. 20555

Subject: Docket Nos. 50-361 and 50-362
Licensee Event Report No. 84-002, Revision 2 (Docket No. 50-361)
Licensee Event Report No. 84-023, Revision 1 (Docket No. 50-361)
Licensee Event Report No. 85-019, Revision 1 (Docket No. 50-362)
San Onofre Nuclear Generating Station, Units 2 and 3

- References:
- (1) Licensee Event Report No. 84-002 (Docket No. 50-361);
J. G. Haynes (SCE) to USNRC Document Control Desk, dated
February 28, 1984
 - (2) Licensee Event Report No. 84-023 (Docket No. 50-361);
J. G. Haynes (SCE) to USNRC Document Control Desk, dated
June 21, 1984
 - (3) Licensee Event Report No. 85-019 (Docket No. 50-362);
J. G. Haynes (SCE) to USNRC Document Control Desk, dated
June 14, 1985
 - (4) Letter, J. G. Haynes (SCE) to USNRC Document Control Desk,
dated August 30, 1984; Licensee Event
Report No. 84-002, Revision 1
 - (5) Letter, J. G. Haynes (SCE) to USNRC Document Control Desk,
dated December 27, 1984; Licensee Event Report Nos. 84-002
and 84-023

References (1), (2), and (3) provided the required 30-day Licensee Event Report (LER) for occurrences involving the spurious actuation of the Containment Purge Isolation System (CPIS), the Control Room Isolation System (CRIS), and Fuel Handling Isolation System (FHIS) which were apparently due to noise spikes. Reference (4) stated that revisions to LER 84-002 and LER 84-023 would be submitted by December 31, 1984, at the conclusion of our investigation of the cause of the spurious actuations and identification of corrective action. Reference (5) stated the most probable cause of the noise spikes was ground current surges traveling to the monitors through the ground system, during transients caused by the switching of heavy current equipment; however, testing and evaluation of the ground system was required to confirm this.

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We have completed our review of the grounding system and have determined that noise spikes in the process and effluent monitors are most probably being picked up by the detectors due to improper grounding. We plan to inspect each noise susceptible detector in the monitoring system to ensure it is properly grounded. This inspection will be completed as access to each detector becomes available during unit shutdowns or other corrective maintenance activities. Improvements in the grounding of the monitors are also being implemented to ensure other potential points for noise are eliminated. It is expected upon completion of the inspections, the frequency of noise spikes will be reduced.

If you require any additional information, please so advise.

Sincerely,

R. Kruger for HEMorgan

cc: F. R. Huey (USNRC Senior Resident Inspector, Units 1, 2 and 3)

J. B. Martin (Regional Administrator, USNRC Region V)

Institute of Nuclear Power Operations (INPO)