

Southern California Edison Company

SAN ONOFRE NUCLEAR GENERATING STATION

P. O. BOX 128

SAN CLEMENTE, CALIFORNIA 92672

H. E. MORGAN
STATION MANAGER

November 25, 1985

TELEPHONE
(714) 368-6241

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

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

Dear Sir:

Subject: Docket No. 50-206
Special Report - Revision 2
San Onofre Nuclear Generating Station, Unit 1

Reference: Special Report - Revision 1, H. E. Morgan (SCE) to
J. B. Martin (NRC), Same Subject, dated October 15, 1985

Pursuant to Section 6.9.3.f of Appendix A, Technical Specifications to Provisional Operating License No. DPR-13 for San Onofre Unit 1, the referenced letter provided a Special Report on inoperable radiation monitoring instrumentation. This letter provides an update on the continuing investigation and additional corrective actions taken subsequent to the referenced letter.

On August 14, 1985, at 0925 with Unit 1 at 93% power, the High Range West Main Steam Line Radiation Monitor R-1258B failed low and was removed from service. The preplanned alternate method of monitoring was initiated at 1311 in accordance with Limiting Condition for Operation (LCO) 3.5.10, Action Statement 27. The Low Range West Main Steam Line Radiation Monitor and both High and Low Range East Main Steam Line Radiation Monitors have remained operable.

As reported in the referenced letter, our initial assessment postulated that a ground loop was responsible for the instrument failure. However, subsequent to our letter, a grounding study was completed which showed no apparent design discrepancies in the instrument grounding scheme. A noise study was also performed which demonstrated the probable cause of the problem is AC noise induced into the coaxial detector I/O cables. Also, in an effort to rule out possible "shorts" etc., the 50-pin input/output (I/O) cable connector has been replaced.

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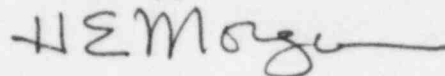
Mr. J. B. Martin

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As a result of the new information obtained from the grounding and noise studies we were unable to return Monitor R-1258B to service by November 1, 1985. On November 7, 1985, we scheduled corrective actions to correct the signal noise problem during the upcoming Cycle IX refueling, scheduled to begin November 30, 1985.

Neither the health and safety of plant personnel nor the health and safety of the public was affected by this event. If you require additional information, please so advise.

Sincerely,

A handwritten signature in dark ink, appearing to read "H. E. Morgan", with a long horizontal flourish extending to the right.

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

U. S. Nuclear Regulatory Commission
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Institute of Nuclear Power Operations (INPO)