

Southern California Edison Company

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

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H. B. RAY
STATION MANAGER

TELEPHONE
(714) 492-7700

September 3, 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. 82-089
San Onofre Nuclear Generating Station, Unit 2

Pursuant to Section 6.9.1.13a of Appendix A, Technical Specifications to Operating License NPF-10 for San Onofre Unit 2, this submittal provides the required 30-day written report and copy of Licensee Event Report (LER) 82-089 for an occurrence, involving the Core Protection Calculator (CPC).

The NSSS Vendor, CE Power Systems recently revealed to SCE a discrepancy between the "as-built" software and CE's functional requirements for the CPC.

Recent testing of CPC's at another plant has revealed that the appropriate Local Power Density Penalty Factor (LPD PF) is not applied when Control Element Assembly Calculators (CEAC's) both send "fail" signals, or one sends "fail" signal and the other is placed in a test status. The SONGS 2 CPC software has this same condition.

This is not a safety concern as other factors will cause a plant trip in almost all plant operating conditions. Certain initial conditions involving low power operation would not experience a trip, but at these low powers, a trip is not necessary for plant safety. A formal, documented, confirmatory analysis of this will be available about September 30, 1982.

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R. H. Engelken

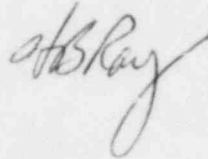
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September 3, 1982

Modifications to the software to correct this condition will be accomplished at a future date. The schedule for this modification has not been established.

If there are any questions, please contact me.

Sincerely,



Enclosure: LER 82-089

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