

LICENSEE EVENT REPORT (LER)

| | | | | | | | | | | | | | | | | |
|--|--------|--|----------------|-------------------|-------------|------------------|-----------------|-----------|----------------|--|--|-------------------------------|------------------|--|-----|------|
| FACILITY NAME (1) SAN ONOFRE NUCLEAR GENERATING STATION, UNIT 3 | | | | | | | | | | DOCKET NUMBER (2) 0 5 0 0 0 3 6 2 | | | | PAGE (3) 1 OF 0 2 | | |
| TITLE (4) AZIMUTHAL POWER TILT SURVEILLANCE REQUIREMENT | | | | | | | | | | | | | | | | |
| EVENT DATE (5) | | | LER NUMBER (6) | | | | REPORT DATE (7) | | | OTHER FACILITIES INVOLVED (8) | | | | | | |
| MONTH | DAY | YEAR | YEAR | SEQ. NUMBER | REV. NUMBER | MONTH | DAY | YEAR | FACILITY NAMES | | | | DOCKET NUMBER(S) | | | |
| 0 4 | 1 7 | 8 5 | 8 5 | 0 1 6 | 0 0 | 0 5 | 1 4 | 8 5 | | | | | 0 5 0 0 0 0 0 0 | | | |
| OPERATING MODE (9) | | THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11) | | | | | | | | | | | | | | |
| 1 | | 20.402(b) | | | | 20.405(c) | | | | 50.73(a)(2)(iv) | | | | 73.71(b) | | |
| POWER LEVEL (10) | | 20.405(a)(1)(i) | | | | 50.36(c)(1) | | | | 50.73(a)(2)(v) | | | | 73.71(c) | | |
| 1 0 0 | | 20.405(a)(1)(ii) | | | | 50.36(c)(2) | | | | 50.73(a)(2)(vii) | | | | OTHER (Specify in Abstract below and in Text, NRC Form 366A) | | |
| | | 20.405(a)(1)(iii) | | | | X 50.73(a)(2)(i) | | | | 50.73(a)(2)(viii)(A) | | | | | | |
| | | 20.405(a)(1)(iv) | | | | 50.73(a)(2)(ii) | | | | 50.73(a)(2)(viii)(B) | | | | | | |
| | | 20.405(a)(1)(v) | | | | 50.73(a)(2)(iii) | | | | 50.73(a)(2)(x) | | | | | | |
| LICENSEE CONTACT FOR THIS LER (12) | | | | | | | | | | | | | | | | |
| NAME J. G. HAYNES, STATION MANAGER | | | | | | | | | | TELEPHONE NUMBER AREA CODE 7 1 4 4 9 2 1- 7 7 0 0 | | | | | | |
| COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13) | | | | | | | | | | | | | | | | |
| CAUSE | SYSTEM | COMPONENT | MANUFACTURER | REPORTABLE TO NRC | | CAUSE | SYSTEM | COMPONENT | MANUFACTURER | REPORTABLE TO NRC | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| SUPPLEMENTAL REPORT EXPECTED (14) | | | | | | | | | | | | EXPECTED SUBMISSION DATE (15) | | MONTH | DAY | YEAR |
| YES (If yes, complete EXPECTED SUBMISSION DATE) | | | | | | | | | | | | X NO | | | | |

Abstract (Limit to 1400 spaces, i.e., approximately fifteen single-space typewritten lines) (16)

On April 12, 1985, with Unit 3 in Mode 1 at 100% power, it was recognized that contrary to Technical Specification 4.2.3, the continuous surveillance of Azimuthal Power Tilt (APT) being performed, was not adequate to determine that the actual APT was within the APT allowance used by Core Protection Calculators (CPC). The Core Operating Limit Supervisory System (COLSS) was promptly adjusted to correct this condition. This lapse in continuous surveillance had existed for a six day period.

During the period when this condition existed, the actual APT exceeded the CPC APT allowance for a period of approximately one hour. This occurred on April 10, 1985, when reactor power was between 20% and 30%. However, the Technical Specification Limiting Condition of Operation (LCO) 3.2.3 was not exceeded since it allows such a condition to exist for two hours. The cause of this event was inadequate procedural guidance to ensure continuous surveillance of APT.

Procedures have been changed to provide the necessary administrative controls to ensure continuous monitoring of APT and operations personnel have been briefed as to the requirements therein.

8505300280 850514
PDR ADDCK 05000362
S PDR

1522
1/1

LICENSEE EVENT REPORT (LER)
TEXT CONTINUATION

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED OMB NO. 3150-0104

EXPIRES: 8/31/85

| | | | | | | |
|---|--|----------------|----------------|----------------|----------|--------|
| FACILITY NAME (1) SAN ONOFRE NUCLEAR GENERATING STATION, UNIT 3 | DOCKET NUMBER (2) 0 5 0 0 0 3 6 2 | LER NUMBER (6) | | | PAGE (3) | |
| | | YEAR | SEQ. NUMBER | REV. NUMBER | | |
| | | 8 5 | 0 1 6 | 0 0 | 0 2 | OF 0 2 |

TEXT (If more space is required, use additional NRC Form 366A's) (17)

Technical Specification 3.2.3 requires that Azimuthal Power Tilt (APT) be less than or equal to the APT Allowance in the Core Protection Calculators (CPC's) when in Mode 1 and at greater than 20% power. Surveillance Requirement 4.2.3.a requires that APT shall be monitored continuously using the Core Operating Limit Supervisory System (COLSS). This continuous monitoring is accomplished using the COLSS APT alarm. This alarm is set at the value of the CPC APT allowance and therefore will alert the operator if actual APT reaches or exceeds this value. To accomplish this continuous monitoring, the COLSS APT alarm setpoint must be changed each time the CPC APT allowance is changed.

On April 12, 1985, with Unit 3 in Mode 1 at 100% power, it was recognized that the CPC APT allowance had been reduced to 1.03 on April 6, 1985, at 1445. The COLSS APT alarm setpoint had not been correspondingly reduced and remained at 1.05. Upon discovery on April 12, the COLSS APT alarm setpoint was promptly readjusted to 1.03 to correspond to the CPC value.

With the COLSS APT alarm set at 1.05, the operator would be alerted to actual APT's greater than 1.05. Due to other existing conservatism in the CPC's, APT's between 1.03 and 1.05, although not alarmed, would not result in any core physics parameters being exceeded. We therefore have concluded that this occurrence had no safety significance. Additionally, we have conducted a review of our records and established that APT exceeded the CPC APT allowance of 1.03 for only one hour during the entire 6 days of the occurrence. Thus, LCO 3.2.3 Action Statement "a" which allows up to 2 hours, was met.

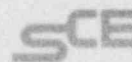
We have concluded that this problem can be prevented by adding clarification and additional guidance to the procedures addressing CPC APT allowance change.

To prevent this type of error from recurring the following actions have been taken:

- (1) Operating Instruction S023-3-3.25, "Once a Shift Surveillance," has been changed to require the Control Room Operators to verify each shift that the APT allowance used by the CPC is not less than the supervisory APT alarm limit in the COLSS.
- (2) Operating Instruction S023-3-2.21, "COLSS Operation" and Operating Instruction S02-3-2.13, S03-3-2.13, "CPC Operation," has been changed to include a statement to make it clear that the CPC APT allowance and the COLSS supervisory APT alarm limit must be changed together.
- (3) Operating Instruction S02-3-2.13, S03-3-2.13, "CPC Operation," has been changed to make it clear that Engineering approval is required via a "CPC Addressable Constant Change Request" in order to lower the value of the CPC APT Allowance.

The above procedure changes have been reviewed with all Operations shift personnel.

Southern California Edison Company



SAN ONOFRE NUCLEAR GENERATING STATION

P.O. BOX 128

SAN CLEMENTE, CALIFORNIA 92672

J. G. HAYNES
STATION MANAGER

May 14, 1985

TELEPHONE
(714) 492-7700

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

Subject: Docket No. 50-362
30-Day Report
Licensee Event Report No. 85-016
San Onofre Nuclear Generating Station, Unit 3

Pursuant to 10 CFR 50.73(a)(2)(i), this submittal provides the required 30-day written Licensee Event Report (LER) for an occurrence involving the Azimuthal Power Tilt Surveillance Requirement. This LER is one day late in order to provide a complete report. Neither the health and safety of plant personnel nor the health and safety of the public was affected by this event.

If you require any additional information, please so advise.

Sincerely,

JG Haynes /rem

Enclosure: LER No. 85-016

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

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

Institute of Nuclear Power Operations (INPO)

IE22
1/1