

## LICENSEE EVENT REPORT (LER)

FACILITY NAME (1)  
SAN ONOFRE NUCLEAR GENERATING STATION, UNIT 3DOCKET NUMBER (2)  
0 5 0 0 0 3 6 2  
PAGE (3)  
1 OF 0 1

TITLE (4)

## DELINQUENT STARTUP CHANNEL NEUTRON FLUX DETECTOR SURVEILLANCE

| 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) |  |  |  |  |
| 11                        | 26  | 85   | 85   | 037         | 00          | 12               | 19  | 85   |                               | 0 5 0 0 0 3 6 2  |  |  |  |  |
| OPERATING MODE (9)<br>5   |     |      | THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11) |             |             |                  |     |      |                               |                  |  |  |  |  |
| POWER LEVEL (10)<br>0 0 0 |     |      | 20.402(b)  |             |             | 20.405(c)        |     |      | 50.73(a)(2)(iv)               |                  |  | 73.71(b)   |  |  |
|                           |     |      | 20.405(a)(1)(i)  |             |             | 50.36(c)(1)      |     |      | 50.73(a)(2)(v)                |                  |  | 73.71(c)   |  |  |
|                           |     |      | 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  
H. E. MORGAN, STATION MANAGER

## TELEPHONE NUMBER

AREA CODE  
7 1 1 4 3 6 8 - 6 2 4 1

## COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)

| CAUSE | SYSTEM | COMPONENT | MANUFACTURER | REPORTABLE TO NPDs | CAUSE | SYSTEM | COMPONENT | MANUFACTURER | REPORTABLE TO NPDs |
|-------|--------|-----------|--------------|--------------------|-------|--------|-----------|--------------|--------------------|
|       |        |           |              |                    |       |        |           |              |                    |
|       |        |           |              |                    |       |        |           |              |                    |
|       |        |           |              |                    |       |        |           |              |                    |

## SUPPLEMENTAL REPORT EXPECTED (14)

YES (If yes, complete EXPECTED SUBMISSION DATE) ☒ NO ☒

## EXPECTED SUBMISSION DATE (15)

MONTH DAY YEAR

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

On November 26, 1985 with Unit 3 in Mode 5, it was determined that the two recently installed Startup Channel Neutron Flux Detectors (EIS Component Code MOD) had not been tested for removable surface contamination or leakage within 31 days prior to being subjected to core flux or installed in the core, pursuant to Technical Specification Surveillance Requirement 4.7.7.2.C. On November 30, 1985 the Unit 3 Startup Channel Neutron Flux Detectors were tested for leakage and removable surface contamination with satisfactory results.

Recent design changes provided for replacement of excore startup detectors in both Units 2 and 3 with environmentally qualified fission detectors which contain approximately 7 grams of highly enriched uranium. The startup detectors installed in Unit 2 were satisfactorily tested upon initial receipt which was less than 31 days prior to installation. The startup detectors for Unit 3 were also satisfactorily tested, but were not installed for approximately twelve months, and were not retested prior to installation. The delinquent surveillance was caused by inadequacies in the Health Physics surveillance program implementing procedure S0123-VII-9.1.2, "Inventory and Leak Testing of Sealed Radioactive Sources."

Corrective actions to preclude recurrence include appropriate procedural modifications to S0123-VII-9.1.2 and appropriate signage on all spare fission chamber detectors to identify the need to test for leakage and removable surface contamination within 31 days prior to their installation.

There was no safety significance to this event since the monitors were operable, and no evidence of sealed source leakage was identified



*Southern California Edison Company*

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SAN CLEMENTE, CALIFORNIA 92672

H. E. MORGAN  
STATION MANAGER

TELEPHONE  
(714) 368-6241

December 19, 1985

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

Subject: Docket No. 50-362  
30-Day Report  
Licensee Event Report No. 85-037  
San Onofre Nuclear Generating Station, Unit 3

Pursuant to 10 CFR 50.73(a)(2)(i)(B), this submittal provides the required 30-day written Licensee Event Report (LER) for an occurrence involving a delinquent surveillance test on the Startup Channel Neutron Flux Monitors. Neither the health and safety of plant personnel nor the public was affected by this event.

If you require any additional information, please so advise.

Sincerely,

Enclosure: LER No. 85-037

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

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

Institute of Nuclear Power Operations (INPO)

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