NRC FORM 366 (12-81) 10 CFR 50

U.S. NUCLEAR REGULATORY COMMISSION

LICENSEE EVENT REPORT

APPROVED BY OMB 3150-0011

CONTROL BLOCK: ① (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

01 | LICENSEE CODE: C A S O S 2 ② | LICENSE NUMBER: 0 0 - 0 0 0 0 0 - 0 0 ③ | LICENSE TYPE: 4 1 1 1 1 ④ | CAT ⑤

CON'T

01 | REPORT SOURCE: L ⑥ | DOCKET NUMBER: 0 5 0 0 0 3 6 1 ⑦ | EVENT DATE: 0 9 1 7 8 3 ⑧ | REPORT DATE: 1 0 1 7 8 3 ⑨

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES ⑩

02 With Unit 2 in Mode 1, CEAC 2 was declared inoperable at 1717 on 9/17/83
03 due to spurious position indication from CEA 20. Repairs were made and
04 CEAC 1 was declared operable at 1840 on 9/23/83. At 2028 on 9/23/83,
05 CEAC 1 was again declared inoperable when it indicated the insertion of
06 Shutdown Bank B subgroups 3 and 4 when only Regulating Group 6 was being
07 inserted. In each event Table 3.3-1 Action Statement 6 of LCO 3.3.1 was
08 invoked and met. Public health and safety were not affected.

09 | SYSTEM CODE: I A ⑪ | CAUSE CODE: E ⑫ | CAUSE SUBCODE: B ⑬ | COMPONENT CODE: I N S T R U ⑭ | COMP. SUBCODE: X ⑮ | VALVE SUBCODE: Z ⑯

⑰ LER/RO REPORT NUMBER | EVENT YEAR: 8 3 | — | SEQUENTIAL REPORT NO.: 1 2 4 | / | OCCURRENCE CODE: 0 3 | REPORT TYPE: L | — | REVISION NO.: 0

ACTION TAKEN: A ⑱ | FUTURE ACTION: Z ⑲ | EFFECT ON PLANT: Z ⑳ | SHUTDOWN METHOD: Z ㉑ | HOURS ㉒: 0 0 0 0 | ATTACHMENT SUBMITTED: Y ㉓ | NPRD-4 FORM SUB.: Y ㉔ | PRIME COMP. SUPPLIER: N ㉕ | COMPONENT MANUFACTURER ㉖: C 4 9 0

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS ㉗

10 A circuit board in CEAC 1 was initially replaced. The 9/23/83 event was
11 caused by the failure of the new board. A defective connector in the
12 position circuit for CEA 20 was then found and was the true cause of the
13 9/17/83 event. The board and connector were replaced and CEAC 1 was de-
14 clared operable at 0820 on 9/28/83.

15 | FACILITY STATUS: E ㉘ | % POWER: 1 0 0 ㉙ | OTHER STATUS ㉚: NA | METHOD OF DISCOVERY: A ㉛ | DISCOVERY DESCRIPTION ㉜: Operator Observation

16 | ACTIVITY RELEASED: Z ㉝ | CONTENT OF RELEASE: Z ㉞ | AMOUNT OF ACTIVITY ㉟: NA | LOCATION OF RELEASE ㊱: NA

PERSONNEL EXPOSURES

17 | NUMBER: 0 0 0 ㊲ | TYPE: Z ㊳ | DESCRIPTION ㊴: NA

PERSONNEL INJURIES

18 | NUMBER: 0 0 0 ㊵ | DESCRIPTION ㊶: NA

LOSS OF OR DAMAGE TO FACILITY ㊸

19 | TYPE: Z ㊷ | DESCRIPTION: NA

PUBLICITY

20 | ISSUED: N ㊹ | DESCRIPTION ㊺: NA | NRC USE ONLY

JG Haynes / [signature]

NAME OF PREPARER: J. G. HAYNES   PHONE: 714/492-7700

IE 22

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PDR ADOCK 05000361
S PDR

Southern California Edison Company

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

October 17, 1983

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. 50-361
30-Day Report
Licensee Event Report No. 83-124
San Onofre Nuclear Generating Station, Unit 2

Pursuant to Section 6.9.1.13.b of Appendix A, Technical Specifications to Facility Operating License NPF-10 for San Onofre Unit 2, this submittal provides the required 30-day written report and a copy of the Licensee Event Report (LER) form for two occurrences involving Limiting Condition for Operation (LCO) 3.3.1 associated with the Reactor Protection System (RPS). Since the two occurrences involved the same components, system, cause and method of discovery, these events have been combined into a single report in accordance with NUREG-0161.

On September 17, 1983, at 1717, with Unit 2 in Mode 1 at 100% power, operators observed spurious indication for Control Element Assembly (CEA) 20 on Control Element Assembly Calculator (CEAC) 1. CEAC 1 was declared inoperable and pursuant to Table 3.3-1, Action Statement 6 of LCO 3.3.1, at least once per 4 hours each CEA was verified to be within 7 inches of all other CEA's in its group. The inoperability of CEAC 1 was initially believed to be due to a problem with the multiplexer circuit board for CEA 20. The circuit board was replaced and CEAC 1 was declared operable at 1840 on September 23, 1983.

At 2028 on September 23, 1983, with Unit 2 in Mode 1 at 100% power, CEAC 1 was again declared inoperable when it indicated the insertion of Shutdown Bank B subgroups 3 and 4 when only Regulating Group 6 was being inserted. Action Statement 6 was again invoked and at least once per 4 hours each CEA was verified to be within 7 inches of all other CEA's in its group.

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Investigation of CEAC 1 determined that the newly installed multiplexer circuit board had failed. This circuit board was replaced. However, a defective connector in the CEA 20 position circuit was discovered. This connector is believed to be the true cause of the first event. The connector was replaced and CEAC 1 was declared operable at 0820 on September 28, 1983. No further corrective action is deemed necessary.

There was no impact on the health and safety of plant personnel or the public associated with these events.

If you require any additional information, please so advise.

Sincerely,

JC Haynes/JMcCarthy

J. G. HAYNES
STATION MANAGER

Enclosure: LER No. 83-124

cc: A. E. Chaffee (USNRC Resident Inspector, Units 1, 2 and 3)
J. P. Stewart (USNRC Resident Inspector, Units 2 and 3)

U.S. Nuclear Regulatory Commission
Office of Inspection and Enforcement

U.S. Nuclear Regulatory Commission
Division of Technical Information and Document Control

Institute of Nuclear Power Operations (INPO)