

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

01 | C | A | S | O | S | 3 | 2 | 0 | 0 | - | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 3 | 4 | 1 | 1 | 1 | 1 | 4 | 5

CONT

01 | REPORT SOURCE | L | 5 | 0 | 5 | 0 | 0 | 0 | 3 | 6 | 2 | 7 | 1 | 2 | 2 | 7 | 8 | 3 | 8 | 0 | 1 | 2 | 4 | 8 | 4 | 9

## EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

02 | On 12/27/83, with Unit 3 in Mode 1, CPC Channel A failed as indicated by

03 | the Channel A DNBR and LPD trips, and the CPC fail light. CPC Channel A

04 | was declared inoperable and pursuant to Table 3.3-1, Action Statement 2

05 | of LCO 3.3.1, the channel was placed in the bypassed condition within

06 | one hour. Since the RPS contains 4 CPC Channels and only 3 channels (all

07 | of which remained functional throughout the event) are required for opera-

08 | bility, there was no impact on public health and safety.

09 | SYSTEM CODE | I | A | 11 | CAUSE CODE | X | 12 | CAUSE SUBCODE | 7 | 13 | COMPONENT CODE | I | N | S | T | R | U | 14 | COMP. SUBCODE | Y | 15 | VALVE SUBCODE | Z | 16

17 | LER NO. REPORT NUMBER | 8 | 3 | 21 | 22 | SEQUENTIAL REPORT NO. | 1 | 1 | 1 | 9 | 24 | 26 | OCCURRENCE CODE | 0 | 3 | 27 | 29 | REPORT TYPE | L | 30 | 31 | REVISION NO. | 0 | 32

18 | ACTION TAKEN | X | 18 | FUTURE ACTION | Z | 19 | EFFECT ON PLANT | Z | 20 | SHUTDOWN METHOD | Z | 21 | HOURS | 0 | 0 | 0 | 0 | 37 | 40 | ATTACHMENT SUBMITTED | Y | 23 | 41 | NRC-4 FORM SUB. | N | 24 | 42 | PRIME COMP. SUPPLIER | N | 25 | 43 | COMPONENT MANUFACTURER | C | 4 | 9 | 0 | 26

## CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

10 | The CPC Channel A failure was attributed to the Multipurpose Aqu-

11 | sition and Control System Error Code 10. Per the CPC vendor, this type

12 | of failure is expected to occur occasionally. This failure in no way

13 | rendered CPC Channel A unable to perform its design safety function

14 | (i.e., the CPC channel fails as "tripped.") See Attachment.

15 | FACILITY STATUS | B | 28 | 0 | 7 | 5 | 29 | 30 | OTHER STATUS | NA | 31 | METHOD OF DISCOVERY | A | 31 | 32 | DISCOVERY DESCRIPTION | Operator Observation | 32

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

17 | PERSONNEL EXPOSURES NUMBER | 0 | 0 | 0 | 37 | 38 | 39 | DESCRIPTION | NA | 39

18 | PERSONNEL INJURIES NUMBER | 0 | 0 | 0 | 40 | 41 | 42 | DESCRIPTION | NA | 42

19 | LOSS OF OR DAMAGE TO FACILITY TYPE | Z | 42 | 43 | DESCRIPTION | NA | 43

20 | PUBLICITY ISSUED DESCRIPTION | N | 44 | 45 | NA | 45

NRC USE ONLY

J. G. HAYNES

PHONE 714/492-7700

ATTACHMENT TO LER 83-119  
SOUTHERN CALIFORNIA EDISON COMPANY  
SAN ONOFRE NUCLEAR GENERATING STATION  
UNIT NO. 3, DOCKET NO. 50-362

SUPPLEMENTAL INFORMATION FOR CAUSE DESCRIPTION AND CORRECTIVE  
ACTIONS

Following diagnostic tests which indicated that CPC Channel A was functioning properly, it was declared operable on December 27, 1983, at 1245, in accordance with Procedure SO23-II-6.2.1. No further corrective action is planned. See also LER No. 83-058 (Docket No. 50-361) and LER No. 83-079 (Docket No. 50-362).

*Southern California Edison Company*

SAN ONOFRE NUCLEAR GENERATING STATION

P.O. BOX 128

SAN CLEMENTE, CALIFORNIA 92672

J. G. HAYNES  
STATION MANAGER

**SCE**

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January 24, 1984

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. 50-362  
30-Day Report  
Licensee Event Report No. 83-119  
San Onofre Nuclear Generating Station, Unit 3

Pursuant to Section 6.9.1.13.b of Appendix A, Technical Specifications to Facility Operating License NPF-15 for San Onofre Unit 3, this submittal provides the required 30-day written report and a copy of the Licensee Event Report (LER) form for an occurrence involving Limiting Condition for Operation (LCO) 3.3.1 associated with the Reactor Protection System (RPS).

On December 27, 1983, at 0750, with Unit 3 in Mode 1 at 75% power, operators received Departure from Nucleate Boiling Ratio (DNBR) and Local Power Density (LPD) trip alarms, and observed the Core Protection Calculator (CPC) Channel A fail light on, and the Channel A DNBR and LPD trip lights on. CPC Channel A was declared inoperable and pursuant to Table 3.3-1, Action Statement 2 of LCO 3.3.1, the channel was placed in the bypassed condition within one hour.

Subsequent investigation of this event revealed that the CPC Channel A failure was attributed to the Multipurpose Acquisition and Control System (MACS) Error Code 10 which initiated a CPC DNBR and LPD trip when the MACS did not perform its analog to digital conversions within a specified time. This failure in no way rendered CPC Channel A unable to perform its design safety function (i.e., the CPC channel fails as "tripped"). The equipment vendor, Combustion Engineering, has informed us that Error Code 10 failures are expected to occur occasionally and current surveillance programs are designed to minimize these

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Mr. J. B. Martin

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January 24, 1984

failures. Similar events were reported in LER No. 83-058 (Docket No. 50-361) and LER No. 83-079 (Docket No. 50-362). Following diagnostic tests which indicated that CPC Channel A was functioning properly, it was declared operable on December 27, 1983, at 1245, in accordance with Procedure SO23-II-6.2.1. No further corrective action is planned.

Since the RPS contains four CPC channels and only three channels (all of which remained functional throughout this event) are required for operability, there was no impact on the health and safety of plant personnel or the public associated with this event.

If you require any additional information, please so advise.

Sincerely,

*V. H. Waynes*

Enclosure: LER No. 83-119

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

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Division of Technical Information and Document Control

Institute of Nuclear Power Operations (INPO)