

LICENSEE EVENT REPORT

CONTROL BLOCK

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

0	1	C	A	S	O	S	2	2	0	0	-	0	0	0	0	0	-	0	0	3	4	1	1	1	1	4			5		
7	8	LICENSEE CODE							14	LICENSE NUMBER										25	LICENSE TYPE					30	CAT 58				

CON'T

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

60 61 DOCKET NUMBER 68 69 EVENT DATE 74 75 REPORT DATE 80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 With the Unit in Mode 1 and following completion of a channel functional test on

0 3 Core Protection Calculator (CPC) Channel A, a routine channel comparison was

0 4 conducted. During this comparison, it was discovered that certain CPC addressable

0 5 constants in Channels B and D did not comply with the most recent values contained

0 6 in the CPC Addressable Constant Log. The incorrect values were assumed to be

0 7 nonconservative and CPC Channels B and D were declared inoperable in accordance

0 8 with Technical Specification 2.2.2 at 1630. Public health and safety were not

7 8 affected by this event.

SYSTEM CODE		CAUSE CODE		CAUSE SUBCODE		COMPONENT CODE				COMP. SUBCODE		VALVE SUBCODE	
0	9	I	A	A	X	Z	Z	Z	Z	Z	Z	Z	Z
7	8	9	10	11	12	13	14	15	16	17	18	19	20
LER/RO REPORT NUMBER		EVENT YEAR		SEQUENTIAL REPORT NO.		OCCURRENCE CODE		REPORT TYPE		REVISION NO.			
17		8	3		0	7	3		0	1			
21	22	23	24	25	26	27	28	29	30	31	32		
ACTION TAKEN		FUTURE ACTION		EFFECT ON PLANT		SHUTDOWN METHOD		HOURS		ATTACHMENT SUBMITTED			
X	X	Z	Z			0	0	0	0	Y	N		
33	34	35	36	37	38	39	40	41	42	43	44		
PRIME COMP. SUPPLIER		COMPONENT MANUFACTURER		NPRD-4 FORM SUB.		VALVE SUPPLIER		COMPONENT MANUFACTURER		VALVE SUPPLIER			
Z		Z		Z		Z		Z		Z			
24		25		26		27		28		29			

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 Inoperability of CPC Channels B and D was due to addressable constants from the

1 1 channel functional test data base (i.e., "default" constants) being left in the

1 2 channels following completion of the 18-month channel calibration and functional

1 3 test. The correct constant values were entered into CPC Channels B and D within

1 4 one hour and the channels were declared operable. (See attachment).

7 8 9 FACILITY STATUS % POWER OTHER STATUS (30) METHOD OF DISCOVERY DISCOVERY DESCRIPTION (32)

1 5 B (28) 0 5 0 (29) NA A (31) CPC Channel Comparison

10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40

ACTIVITY CONTENT RELEASED OF RELEASE AMOUNT OF ACTIVITY (35) LOCATION OF RELEASE (36)

1 6 Z 33 Z 34 NA NA

PERSONNEL EXPOSURES

NUMBER		TYPE	DESCRIPTION
1	7	00	NA

PERSONNEL INJURIES		NUMBER		DESCRIPTION		(41)	
1	8	0	0	0	(40)	NA	

7 8 9 11 12
LOSS OF OR DAMAGE TO FACILITY
TYPE DESCRIPTION (43)
1 9 Z (42) NA
8308080386 830729
PDR ADOCK 05000361
S PDR

7 8 9 10

PUBLICITY
ISSUED DESCRIPTION (45)

2 0 N (44) NA

NRC USE ONLY

NAME OF PREPARER H. B. RAY *HBRay / J. V. M. M. M.* PHONE: (714) 492-7700

IF 22

ATTACHMENT TO LER 83-073
SOUTHERN CALIFORNIA EDISON COMPANY
SAN ONOFRE NUCLEAR GENERATING STATION
UNIT NO. 2, DOCKET NO. 50-361

SUPPLEMENTAL INFORMATION FOR CAUSE DESCRIPTION AND CORRECTIVE ACTION

A preliminary evaluation by Combustion Engineering, Inc. (CE) concluded that the use of default values for the addressable constants did not violate safety margins for 50% power operation. A final evaluation will be performed and if results to the contrary are obtained, a revision to this LER will be submitted.

As corrective action to prevent recurrence of this event, Computer Engineering is developing a program requiring a second verification of CPC constants on a periodic basis.

Southern California Edison Company

SAN ONOFRE NUCLEAR GENERATING STATION

P.O. BOX 128

SAN CLEMENTE, CALIFORNIA 92672

H. B. RAY
STATION MANAGER

July 29, 1983

RECEIVED
NRC

1983 AUG -2 PM 12:28

REGION V
TELEPHONE
(714) 492-7700

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
14-Day Follow-Up Report
Licensee Event Report No. 83-073
San Onofre Nuclear Generating Station, Unit 2

Reference: Letter, H B. Ray, (SCE) to J. B. Martin (NRC),
dated July 15, 1982

The referenced letter provided you with confirmation of our prompt notification of a reportable occurrence involving the Core Protection Calculators (CPC).

Pursuant to Section 6.9.1.12.b of Appendix A, Technical Specifications to Facility Operating License NPF-10 for San Onofre Unit 2, this submittal provides the required 14-day follow-up report and a copy of Licensee Event Report (LER) No. 83-073 to address this event.

If there are any questions regarding the above, please contact me.

Sincerely,

H B Ray /MCM

Enclosure: LER No. 83-073

1/1 IE-22
83-311

cc: A.E. Chaffee (USNRC Resident Inspector, Units 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)