

## LICENSEE EVENT REPORT (LER)

FACILITY NAME (1)  
SAN ONOFRE NUCLEAR GENERATING STATION, UNIT 2DOCKET NUMBER (2)  
0 5 0 0 0 1 3 1 6 1 1PAGE (3)  
1 OF 0 1 2TITLE (4)  
CPIS ACTUATION DUE TO 2RE-7804C FAILURE ON FEBRUARY 25, 1984

EVENT DATE (5)			LER NUMBER (6)			REPORT DATE (7)			OTHER FACILITIES INVOLVED (8)		
MONTH	DAY	YEAR	YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	MONTH	DAY	YEAR	FACILITY NAMES		DOCKET NUMBER (5)
0 2	2 5	8 4	8 4	0 1 1	0 0	0 3	2 2	8 4			0 5 0 0 0 1 1

OPERATING MODE (9)	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR § (Check one or more of the following) (11)																														
1	<table border="1"><tr><td>20.402(b)</td><td>20.406(a)</td><td>X</td><td>80.73(a)(2)(iv)</td><td>73.71(b)</td></tr><tr><td>20.406(a)(1)(i)</td><td>80.36(a)(1)</td><td></td><td>80.73(a)(2)(v)</td><td>73.71(c)</td></tr><tr><td>20.406(a)(1)(ii)</td><td>80.36(a)(2)</td><td></td><td>80.73(a)(2)(vi)</td><td>OTHER (Specify in Abstract below and in Text, NRC Form 305A)</td></tr><tr><td>20.406(a)(1)(iii)</td><td>80.73(a)(2)(i)</td><td></td><td>80.73(a)(2)(vii)(A)</td><td></td></tr><tr><td>20.406(a)(1)(iv)</td><td>80.73(a)(2)(ii)</td><td></td><td>80.73(a)(2)(vii)(B)</td><td></td></tr><tr><td>20.406(a)(1)(v)</td><td>80.73(a)(2)(iii)</td><td></td><td>80.73(a)(2)(ix)</td><td></td></tr></table>	20.402(b)	20.406(a)	X	80.73(a)(2)(iv)	73.71(b)	20.406(a)(1)(i)	80.36(a)(1)		80.73(a)(2)(v)	73.71(c)	20.406(a)(1)(ii)	80.36(a)(2)		80.73(a)(2)(vi)	OTHER (Specify in Abstract below and in Text, NRC Form 305A)	20.406(a)(1)(iii)	80.73(a)(2)(i)		80.73(a)(2)(vii)(A)		20.406(a)(1)(iv)	80.73(a)(2)(ii)		80.73(a)(2)(vii)(B)		20.406(a)(1)(v)	80.73(a)(2)(iii)		80.73(a)(2)(ix)	
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20.406(a)(1)(v)	80.73(a)(2)(iii)		80.73(a)(2)(ix)																												

LICENSEE CONTACT FOR THIS LER (12)		TELEPHONE NUMBER	
NAME	AREA CODE	NUMBER	NUMBER
J. G. Haynes, Station Manager	7 1 1 4	4 1 9 1 2 1	1 7 1 7 1 0 1 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	
X	VIA	RITN	305	N						

SUPPLEMENTAL REPORT EXPECTED (14)		EXPECTED SUBMISSION DATE (15)	MONTH	DAY	YEAR
<input type="checkbox"/> YES (If yes, complete EXPECTED SUBMISSION DATE)	<input checked="" type="checkbox"/> NO				

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

On 2/25/84, at 2250, with Unit 2 in Mode 1 at 100% power, the Containment Purge Isolation System (CPIS) was actuated when Containment Airborne Monitor 2RE-7804 Gaseous Channel "C" failed. All CPIS components functioned properly.

The failure of 2RE-7804C was due to water in the gaseous detector cell, short circuiting the pre-amp. The water in the detector cell was removed, the pre-amp was replaced and the monitor was returned to service at 0125 on March 5, 1984. The cause of the water in the detector cell is unknown. An engineering evaluation will be performed to investigate the source of the water.

No other components or systems malfunctioned as a result of this event.

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PDR ADOCK 05000361  
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## 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 2	DOCKET NUMBER (2)  0 5 0 0 0 3 6 1	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
		8 4	— 0 1 1	— 0 0	0 2	OF	0 2

TEXT (If more space is required, use additional NRC Form 366A (1-77))

On February 25, 1984, at 2250, with Unit 2 in Mode 1 at 100% power, the Containment Purge Isolation System (CPIS) (EIS System Identifier VA) was actuated when Containment Airborne Monitor 2RE-7804 (EIS Component Identifier RIT) Gaseous Channel "C" failed. All CPIS components functioned properly.

A Containment Purge Isolation Signal is initiated by a downscale failure of any channel of 2RE-7804. For this occurrence, 2RE-7804C failed downscale and CPIS actuated. A review of instrument recordings has verified normal operation of the monitor prior to the failure. There are no credible circumstances which would have increased the severity of this incident.

The failure of 2RE-7804C was due to water in the gaseous detector cell, short circuiting the pre-amp. The water in the detector cell was removed, the pre-amp was replaced and the detector was returned to service at 0125 on March 5, 1984.

The cause of the water in the detector is unknown. Although this is considered an isolated occurrence an engineering evaluation will be performed to investigate the source of the water.

*Southern California Edison Company*

**SCE**

SAN ONOFRE NUCLEAR GENERATING STATION

P.O. BOX 128

SAN CLEMENTE, CALIFORNIA 92672

J. G. HAYNES  
STATION MANAGER

TELEPHONE  
(714) 492-7700

March 22, 1984

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

Subject: Docket No. 50-361  
30-Day Report  
Licensee Event Report No. 84-011  
San Onofre Nuclear Generating Station, Unit 2

Pursuant to 10 CFR 50.73(a)(2)(iv), this submittal provides the required 30-day written Licensee Event Report (LER) for an occurrence involving the actuation of the Containment Purge Isolation System. The health and safety of plant personnel or the public were not affected by this event.

If you require any additional information, please so advise.

Sincerely,

*J. G. Haynes*

Enclosure: LER No. 84-011

cc: A. E. Chaffee (USNRC Resident Inspector, Units 1, 2 and 3)  
J. P. Stewart (USNRC Resident Inspector, Units 2 and 3)  
J. B. Martin (Regional Administrator, NRC Region V)  
Institute of Nuclear Power Operations (INPO)

**DE12**  
**1/1**