

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) SAN ONOFRE NUCLEAR GENERATING STATION, UNIT 2										DOCKET NUMBER (2) 0 5 0 0 0 3 6 1				PAGE (3) 1 OF 0 2				
TITLE (4) CONTAINMENT PURGE ISOLATION SYSTEM ACTUATION																		
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)					
1	0	2	4	8	4	8	4	0	6	3	0	0	0	5	0	0	0	0
OPERATING MODE (9)		THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11)																
5		20.402(b)				20.405(c)				<input checked="" type="checkbox"/> 50.73(a)(2)(iv)		73.71(b)						
POWER LEVEL (10)		0 0 0				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)				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 J. G. HAYNES, STATION MANAGER										TELEPHONE NUMBER 7 1 1 4 4 9 2 - 7 7 0 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								
SUPPLEMENTAL REPORT EXPECTED (14)												EXPECTED SUBMISSION DATE (15)		MONTH	DAY	YEAR		
<input type="checkbox"/> YES (If yes, complete EXPECTED SUBMISSION DATE)												<input type="checkbox"/> NO						

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

On 10/24/84 at 1355, with Unit 2 in Mode 5, the Reactor Coolant System was being vented in preparation for refueling when the Train "A" Containment Purge Isolation System (CPIS) was actuated by a high radiation alarm on Containment Area Radiation Monitor 2RE-7804C. Radiation Monitor 2RE-7807 was inoperable and 2RE-7804 was being utilized to provide the CPIS function. All CPIS components functioned properly, isolating the main containment purge.

2RE-7804C was set at an effluent setpoint of approximately 500 cpm and the maximum reading observed was 460 cpm. The effluent setpoint on 2RE-7804C was approximately three orders of magnitude less than the CPIS setpoint. The release permit in effect during the event would have allowed resetting 2RE-7804C setpoint to 7.6E4 cpm, however, this was not performed until 1426 under a new release permit. The CPIS was reset and main containment purge restarted at 1430.

The cause of the CPIS actuation was overly conservative procedures and operating practices. The appropriate procedures are being reviewed and revised as necessary to prevent unwarranted CPIS actuations.

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LICENSEE EVENT REPORT (LER)
TEXT CONTINUATION

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)			PAGE (3)	
		YEAR	SEQ. NUMBER	REV. NUMBER		
SAN ONOFRE NUCLEAR GENERATING STATION, UNIT 2	0 5 0 0 0 3 6 1	8 4	- 0 6 3	- 0 0	0 2	OF 0 2

TEXT (If more space is required, use additional NRC Form 366A's) (17)

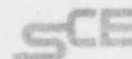
On October 24, 1984, at 1355, with Unit 2 in Mode 5, the Reactor Coolant System (EIIIS System Code - AB) was being vented in preparation for refueling when the Train "A" Containment Purge Isolation System (CPIS) (EIIIS System Code - VA) was actuated by a high radiation alarm on Containment Airborne Radiation Monitor 2RE-7804C (EIIIS Component Code - RT). Radiation Monitor 2RE-7807 was inoperable and 2RE-7804 was being utilized to provide the CPIS function. All CPIS components functioned properly, isolating the main containment purge.

2RE-7804C was set at an effluent setpoint of approximately 500 cpm and the maximum reading observed was 460 cpm. The effluent setpoint on 2RE-7804C was approximately three orders of magnitude less than the CPIS setpoint. The release permit in effect during the event would have allowed resetting 2RE-7804C setpoint to 7.6E4 cpm, but this was not performed until 1426 under a new release permit. The CPIS was reset and main containment purge restarted at 1430.

The cause of the CPIS actuation was inadequate procedural guidance to make appropriate adjustments to overly conservative radiation monitor setpoints when routine plant operations are being performed that are known to cause increases in the background radiation levels. An evaluation of the procedures used for determining the setpoint for 2RE-7804 when used as an effluent monitor will be made and revised as necessary. It should be noted that the planned installation of a new containment purge monitor 2RE-7828 will reduce the likelihood of future CPIS actuations by the designated CPIS monitors 2RE-7807 or 2RE-7804 because the monitors providing the CPIS function will no longer be set at the maximum allowable ODCM setpoint. The Purge Monitor 2RE-7828 setpoint will always be less than the CPIS setpoint and each function will be provided by a separate monitor.

There are no reasonable or credible circumstances which could have increased the severity of this event.

Southern California Edison Company



SAN ONOFRE NUCLEAR GENERATING STATION

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

Subject: Docket No. 50-361
30-Day Report
Licensee Event Report No. 84-063
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. Neither the health and safety of plant personnel nor the public were affected by this event.

If you require any additional information, please so advise.

Sincerely,

Enclosure: LER No. 84-063

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

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

Institute of Nuclear Power Operations (INPO)

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