

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) SAN ONOFRE NUCLEAR GENERATING STATION, UNIT 3										DOCKET NUMBER (2) 0 5 0 0 0 3 6 2				PAGE (3) 1 OF 0 1		
TITLE (4) SPURIOUS FUEL HANDLING ISOLATION SYSTEM (FHIS) ACTUATIONS																
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)			
0 9	0 5	8 5	8 5	0 2 4	0 0	1 0	0 7	8 5					0 5 0 0 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)														
1		20.402(b)				20.405(c)				<input checked="" type="checkbox"/> 50.73(a)(2)(iv)		73.71(b)				
POWER LEVEL (10)		0 5 5				20.405(a)(1)(i)				50.36(c)(1)		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 H. E. MORGAN, STATION MANAGER										TELEPHONE NUMBER AREA CODE 7 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 checked="" type="checkbox"/> NO				

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

On 09/05/85 at 1055, with Unit 3 at 55% power, an actuation of the Fuel Handling Isolation System (FHIS) (EIIIS System Code VG) Train 'A' occurred when Airborne Monitor (EIIIS Component Code DET) 3RE-7822 spuriously alarmed. Five additional actuations of Unit 3 FHIS occurred on 09/16/85 and one occurrence on 10/04/85. In each case, all FHIS components functioned properly. The actuations were verified to be spurious by confirming that the monitor readings were below the alarm setpoint. Following each spurious actuation, FHIS was promptly reset. There is no irradiated fuel in the Unit 3 Fuel Handling Building.

The cause of the spurious actuations is believed to be radiation monitor sensitivity to random electrical noise coupled with the low setpoint (100 CPM above background). No radiation monitoring system maintenance or repairs were in progress which could have generated the spurious signals.

An engineering evaluation is being performed to identify and correct potential design deficiencies contributing to noise problems in radiation monitoring instrumentation. Similar events were reported in LER 85-019 (Docket Number 50-362). The results of the evaluation and planned corrective actions will be reported in a revision to LER 85-019.

Since all systems functioned as required, there are no reasonable or credible circumstances under which these events would have been more severe.



Southern California Edison Company

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October 7, 1985

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

Subject: Docket No. 50-362
30-Day Report
Licensee Event Report No. 85-024
San Onofre Nuclear Generating Station, Unit 3

Pursuant to 10 CFR 50.73(a)(2)(iv), this submittal provides the required 30-day written Licensee Event Report (LER) for seven occurrences involving spurious actuation of the Fuel Handling Isolation System (FHIS). Since these events involved the same components, system, cause and method of discovery, these events have been combined into a single report in accordance with NUREG-1022. Neither the health and safety of plant personnel nor the health and safety of the public was affected by this event.

If you require any additional information, please so advise.

Sincerely,

Enclosure: LER No. 85-024

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

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

Institute of Nuclear Power Operations (INPO)

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