

## LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) DIABLO CANYON, UNIT 2										DOCKET NUMBER (2) 0 5 0 0 0 3 2 3				PAGE (3) 1 OF 01	
TITLE (4) BOTH ROD DRIVE MG SETS TRIPPED OFF LINE															
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(S)		
08	24	85	85	006	00	09	23	85					0 5 0 0 0		
OPERATING MODE (9) 2		THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR § (Check one or more of the following) (11)													
POWER LEVEL (10) 0.00		20.402(b)				20.406(c)				50.73(a)(2)(iv)				73.71(b)	
		20.406(a)(1)(i)				50.36(e)(1)				50.73(a)(2)(v)				73.71(c)	
		20.406(a)(1)(ii)				50.36(e)(2)				50.73(a)(2)(vii)				OTHER (Specify in Abstract below and in Text, NRC Form 366A)	
		20.406(a)(1)(iii)				50.73(a)(2)(i)				50.73(a)(2)(viii)(A)					
		20.406(a)(1)(iv)				50.73(a)(2)(ii)				50.73(a)(2)(viii)(B)					
		20.406(a)(1)(v)				50.73(a)(2)(iii)				50.73(a)(2)(ix)					
LICENSEE CONTACT FOR THIS LER (12)															
NAME DAVID P. SISK, REGULATORY COMPLIANCE ENGINEER										TELEPHONE NUMBER 805 595-7351					
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	AA	RLY	W120	NO											
X	AA	RLY	W120	NO											
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)

AT 2034 PDT, August 24, 1985, while in Mode 2 (startup), the random failure of a Rod Drive MG Set relay caused a rod insertion followed by a manual reactor trip. All automatic equipment responded as designed. Since the Reactor Protection System (JC) is an Engineered Safety Feature (ESF), a four hour Significant Event Report (10 CFR 50.72) was made at 2230 PDT.

This event was caused by a burned out coil on an auxiliary relay (AA) (40) on one of the Control Rod Drive (AA) (CRD) Motor Generator (MG) sets. This resulted in loss of field current to the MG set. When the load transferred to the second MG set, the voltage dropped below the relay trip point causing the second MG set to trip. This resulted in all rods falling to the fully inserted position. In accordance with operating procedures, the operator manually tripped the reactor.

The trip point of the second MG set relay had drifted. Both relays were of the same type and functioned in identical locations in the MG set control scheme. The two relay problems discussed above are not related, therefore no common mode failure exists. Both relays were replaced and the MG sets were tested satisfactory. Plant physics testing was resumed.

The issue involved the failure of non-safety equipment not required for shutdown. Therefore, no specific actions are required. For availability purposes, however, PGandE is considering the testing of these relays as part of the Preventive Maintenance Program.

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PDR ADOCK 05000323  
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# PACIFIC GAS AND ELECTRIC COMPANY



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JAMES D. SHIFFER  
VICE PRESIDENT  
NUCLEAR POWER GENERATION

September 23, 1985

PGandE Letter No.: DCL-85-313

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

Re: Docket No. 50-323, OL-DPR-82  
Diablo Canyon Unit 2  
Licensee Event Report 85-006-00  
Both Rod Drive MG Sets Tripped Off Line

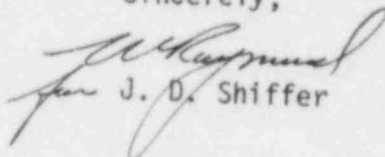
Gentlemen:

Pursuant to 10 CFR 50.73(a)(2)(iv), PGandE is submitting the enclosed licensee Event Report concerning the manual actuation of an Engineered Safety Features (ESF), reactor trip.

This event has in no way affected the public's health and safety.

Kindly acknowledge receipt of this material on the enclosed copy of this letter and return it in the enclosed addressed envelope.

Sincerely,

  
for J. D. Shiffer

Enclosure

cc: L. Chandler  
J. B. Martin

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