

# REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 8705050269 DOC. DATE: 87/05/01 NOTARIZED: NO DOCKET #  
 FACIL: 50-323 Diablo Canyon Nuclear Power Plant, Unit 2, Pacific Ca 05000323  
 AUTH. NAME . AUTHOR AFFILIATION  
 WILSON, S. D. Pacific Gas & Electric Co.  
 SHIFFER, J. D. Pacific Gas & Electric Co.  
 RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: LER 87-004-00: on 870403, turbine generator & reactor trip occurred followed by safety injection. Caused by rapid fluctuations in signals from main steam flow transmitters. Investigation being conducted. W/870501 ltr.

DISTRIBUTION CODE: 1E22D COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 2  
 TITLE: 50.73 Licensee Event Report (LER), Incident Rpt, etc.

## NOTES:

	RECIPIENT ID CODE/NAME	COPIES LTTR ENCL	RECIPIENT ID CODE/NAME	COPIES LTTR ENCL
	PD5 LA	1 1	PD5 PD	1 1
	SCHIERLING, H	1 1	TRAMMELL, C	1 1
INTERNAL:	ACRS MICHELSON	1 1	ACRS MOELLER	1 1
	AEOD/DOA	1 1	AEOD/DSP/ROAB	2 2
	AEOD/DSP/TPAB	1 1	NRR/DEST/ADE	1 0
	NRR/DEST/ADS	1 0	NRR/DEST/CEB	1 1
	NRR/DEST/ELB	1 1	NRR/DEST/ICSB	1 1
	NRR/DEST/MEB	1 1	NRR/DEST/MTB	1 1
	NRR/DEST/PSB	1 1	NRR/DEST/RSB	1 1
	NRR/DEST/SGB	1 1	NRR/DLPQ/HFB	1 1
	NRR/DLPQ/QAB	1 1	NRR/DOEA/EAB	1 1
	NRR/DREP/EPB	1 1	NRR/DREP/RAB	1 1
	NRR/DREP/RPB	2 2	NRR/PMAS/ILRB	1 1
	NRR/PMAS/PTSB	1 1	<u>REC FILE</u> 02	1 1
	RES SPEIS, T	1 1	RON5 FILE 01	1 1
EXTERNAL:	EG&G GROH, M	5 5	H ST LOBBY WARD	1 1
	LPDR	2 2	NRC PDR	1 1
	NSIC HARRIS, J	1 1	NSIC MAYS, G	1 1



# LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) <b>DIABLO CANYON UNIT 2</b>										DOCKET NUMBER (2) <b>05000323</b>				PAGE (3) <b>1 OF 1</b>	
TITLE (4) <b>ANTIMOTING RELAY ACTUATION CAUSES TURBINE GENERATOR TRIP AND SUBSEQUENT REACTOR TRIP FOLLOWED BY A SAFETY INJECTION</b>															
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)		
04	03	87	87	004	00	05	01	87					050003		
OPERATING MODE (9)		THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (11)													
POWER LEVEL (10)		<input checked="" type="checkbox"/> 10 CFR <u>50.73(a)(2)(iv)</u> <input checked="" type="checkbox"/> OTHER (Specify in Abstract below and in Text, NRC Form 305A) <span style="float: right;">Special Report</span>													
012															

LICENSEE CONTACT FOR THIS LER (12)

STEPHEN D. WILSON, REGULATORY COMPLIANCE ENGINEER	TELEPHONE NUMBER
	AREA CODE
	805595-7351

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

SUPPLEMENTAL REPORT EXPECTED (14)

<input checked="" type="checkbox"/> YES (If yes, complete EXPECTED SUBMISSION DATE)	<input type="checkbox"/> NO	EXPECTED SUBMISSION DATE (15)	MONTH 06	DAY 30	YEAR 87
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ABSTRACT (16)

On April 3, 1987, at 2352 PST, with the unit in Mode 1 (Power Operation), a turbine generator trip and subsequent reactor trip occurred while licensed operators were shutting down the unit in preparation for a refueling outage. Approximately 23 seconds after the reactor trip, a safety injection occurred on a high steam flow signal coincident with low-low Tavg.

The turbine generator tripped due to antimotoring relay actuation while the main generator was producing approximately 50 MW of electrical power. A reactor trip was automatically initiated following the turbine generator trip because reactor power was greater than 10 percent. The safety injection occurred due to rapid fluctuations in signals from the main steam flow transmitters in conjunction with low-low Tavg signals from the unit cooldown following the reactor trip.

This was the ninth emergency core cooling system actuation cycle that resulted in a discharge of water into the reactor coolant system.

An investigation is being conducted to determine the root cause and corrective actions for this event.

A supplemental report will be submitted at a later date.

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S PDR

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# PACIFIC GAS AND ELECTRIC COMPANY

PG&E + 77 BEALE STREET • SAN FRANCISCO, CALIFORNIA 94106 • (415) 781-4211 • TWX 910-372-6587

JAMES D. SHIFFER  
VICE PRESIDENT  
NUCLEAR POWER GENERATION

May 1, 1987

PGandE Letter No.: DCL-87-093

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

Re: Docket No. 50-323, OL-DPR-82  
Diablo Canyon Unit 2  
Licensee Event Report 2-87-004-00  
Antimotoring Relay Actuation Causes Turbine Generator Trip and  
Subsequent Reactor Trip Followed by a Safety Injection

Gentlemen:

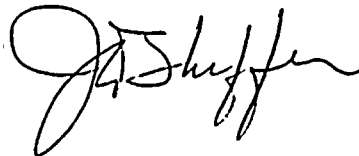
Pursuant to 10 CFR 50.73(a)(2)(iv) and as required by Technical Specification 6.9.2 and Action Statement b. of Technical Specification 3.5.2, PGandE is submitting the enclosed Licensee Event Report/Special Report on a reactor trip followed by a safety injection.

A supplemental report will be submitted at a later date.

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,



Enclosure

cc: L. J. Chandler  
J. B. Martin  
M. M. Mendonca  
P. P. Narbut  
B. Norton  
C. M. Trammell  
CPUC  
Diablo Distribution  
INPO

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