NRC Form 366
(9-83)

U.S. NUCLEAR REGULATORY COMMISSION
APPROVED OMB NO. 3150-0104
EXPIRES: 8/31/85

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1)	DOCKET NUMBER (2)	PAGE (3)
DIABLO CANYON UNIT 1	0 5 0 0 0 2 7 5	1 OF 0 2

TITLE (4)

CONDITION NOT PERMITTED BY TECHNICAL SPECIFICATIONS

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)
0 6	1 8	8 5	8 5	0 2 1	0 0	0 7	1 8	8 5		0 5 0 0 0
										0 5 0 0 0

THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11)

OPERATING MODE (9)						
1	20.402(b)	20.405(c)	50.73(a)(2)(iv)	73.71(b)		
POWER LEVEL (10)	20.405(a)(1)(i)	50.36(c)(1)	50.73(a)(2)(v)	73.71(c)		
1 0 0	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)	X 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	TELEPHONE NUMBER
WILLIAM J. KELLY, REGULATORY COMPLIANCE ENGINEER	AREA CODE 8 0 5 5 9 5 - 7 3 5 1

COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS		CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS	

SUPPLEMENTAL REPORT EXPECTED (14)		EXPECTED SUBMISSION DATE (15)	MONTH	DAY	YEAR
YES (If yes, complete EXPECTED SUBMISSION DATE)	X NO				

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

On June 18, 1985 at 0647 hours, with the plant in Mode 1 (at 100% power) and the indicated Axial Flux Difference (AFD) outside of the 5% target band, as required per Technical Specification 3.2.1, plant operators were unable to reduce the AFD to within the target band or reduce reactor power to less than 90% within 15 minutes in accordance with Action Statements 3.2.1.a.1.a) or 3.2.1.a.1.b), respectively.

The cause of this event was rapid xenon burnout after a power escalation to 100% at a rate of approximately 9 megawatts/minute. The AFD was restored to within the target band in 17.1 minutes. To prevent recurrence, an administrative plant loading/unloading rate limit of 5 megawatts/minute has been implemented for use during the course of normal plant load changes. This limit is not applicable to load swings necessary to maintain the plant on line with equipment problems, or to comply with Technical Specification-required actions which demand higher loading/unloading rates.

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FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)			PAGE (3)
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	
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TEXT (If more space is required, use additional NRC Form 366A's) (17)

On June 18, 1985 at 0537 hours, following a planned reduction in power to 50% for routine maintenance, plant operators began increasing reactor power by reducing reactor coolant boron concentration to coincide with an administrative load rate limit of 10 megawatts/minute maximum. Boron dilution was secured at 90% power and reactor power continued to increase to greater than 103% due to xenon burnout. Operators reduced turbine-generator load, initiated boration of reactor coolant, and manually inserted control rods to reduce reactor power.

In this sequence of events, at 0647 hours, Axial Flux Difference (AFD) reached a value of -12.4%, outside of the target limit of -9.9%, for 17.1 minutes with power above 90%, exceeding the Technical Specification 3.2.1, Action Statement a. time limit of 15 minutes. RCS boration was in progress during this sequence in an attempt to allow the control rods to be withdrawn, which would result in AFD becoming less negative, and also reducing power level. AFD was not brought to within limits of the required time frame during this maneuver. The AFD was outside the target value for a total time of 22.4 minutes in this sequence of events.

The cause of this event was rapid xenon burnout after a power escalation to 100% at a rate of approximately 9 megawatts/minute. As noted above, the AFD was restored to within the target band in 17.1 minutes. To prevent recurrence, an administrative plant loading/unloading rate limit of 5 megawatts/minute has been implemented for use during the course of normal plant load changes. This limit is not applicable to load swings necessary to maintain the plant on line with equipment problems, or to comply with Technical Specification-required actions which demand higher loading/unloading rates.

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

July 18, 1985

PGandE Letter No.: DCL-85-246

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

Re: Docket No. 50-275, OL-DPR-80
Diablo Canyon Unit 1
Licensee Event Report 85-021-00
Condition Not Permitted By Technical Specifications

Gentlemen:

Pursuant to 10 CFR 50.73(a)(2)(i), PGandE is submitting the enclosed Licensee Event Report concerning an event where the Limiting Condition for Operation time limitation was exceeded for the indicated Axial Flux Difference in Technical Specification 3.2.1, Action a.

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: J. B. Martin
Service List

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