

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 8710020216 DOC. DATE: 87/09/28 NOTARIZED: NO DOCKET #
 FACIL: 50-323 Diablo Canyon Nuclear Power Plant, Unit 2, Pacific Ga 05000323
 AUTH. NAME AUTHOR AFFILIATION
 HUG, M. T. Pacific Gas & Electric Co.
 SHIFFER, J. D. Pacific Gas & Electric Co.
 RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: LER 87-021-00: on 870829, time interval requirement specified by Tech Spec 4.1.3.1.1 including allowed extension was exceeded. Caused by personnel error. Procedure revised. W/870928 ltr.

DISTRIBUTION CODE: IE22D COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 5
 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
	TRAMMELL, C	1 1		
INTERNAL:	ACRS MICHELSON	1 1	ACRS MOELLER	2 2
	AEOD/DOA	1 1	AEOD/DSP/NAS	1 1
	AEOD/DSP/ROAD	2 2	AEOD/DSP/TPAB	1 1
	DEDRO	1 1	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/RAB	1 1
	NRR/DREP/RPB	2 2	NRR/DRIS/SIB	1 1
	NRR/PMAS/ILRB	1 1	REG FILE 02	1 1
	RES DEPY GI	1 1	RES TELFORD, J	1 1
	RES/DE/EIB	1 1	RGNS 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



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LICENSEE EVENT REPORT (LER)

FACILITY NAME (1)	DOCKET NUMBER (2)	PAGE (3)
DIABLO CANYON UNIT 2	050003231	OF 04

TITLE (4) **FAILURE TO MEET TECHNICAL SPECIFICATION REQUIREMENT FOR INOPERABLE ROD POSITION DEVIATION MONITOR DUE TO PERSONNEL ERROR**

EVENT DATE (5)			LER NUMBER (6)			REPORT DATE (7)			OTHER FACILITIES INVOLVED (8)			
MONTH	DAY	YEAR	YEAR	SEQUENTIAL NUMBER	NUMBER	MONTH	DAY	YEAR	FACILITY NAMES			DOCKET NUMBER(S)
01	29	87	87	021	010	01	29	87				050003231

OPERATING MODE (9): 1

POWER LEVEL (10): 100

THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR § (11)

10 CFR 50.73(a)(2)(i)(B)

OTHER (Specify in Abstract below and in Text, NRC Form 305A)

LICENSEE CONTACT FOR THIS LER (12)

MARTIN T. HUG, REGULATORY COMPLIANCE ENGINEER	TELEPHONE NUMBER
	AREA CODE: 8105 5951-7351

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)

YES (If you complete EXPECTED SUBMISSION DATE) NO

EXPECTED SUBMISSION DATE (15)	MONTH	DAY	YEAR

ABSTRACT (16)

At 1425 PDT, August 29, 1987, with the unit in Mode 1 (Power Operation) at 100 percent power, the time interval requirement specified by Technical Specification (TS) 4.1.3.1.1, including the allowed extension of TS 4.0.2, was exceeded. TS 4.1.3.1.1 requires verification, every 4 hours when the rod position deviation monitor (RPDM) is inoperable, that each full-length rod is within its group demand limit. The plant process computer (P-250) was rebooted to correct a log typewriter problem without updating the group rod positions at 0442 PDT, August 29, 1987, causing inoperability of the RPDM program.

At 0454 PDT, August 30, 1987, during performance of Surveillance Test Procedure (STP) I-42, it was determined that the RPDM was inoperable. The RPDM was returned to service at 0545 PDT, August 30, 1987, and the correct verification frequency required by TS 4.1.3.1.1 was resumed.

This event was caused by a personnel error in that the P-250 computer was improperly rebooted by plant personnel. A contributing factor was a procedural deficiency in that the procedure for rebooting the P-250 computer did not contain adequate guidance as to when group rod positions required updating.

An on-the-spot procedure revision was made to the P-250 reboot procedure, clarifying when rod bank position is required to be updated when rebooting the computer. This event will be reviewed with all currently licensed operators through an Operations Summary Report and will be discussed during initial operator training.

1697S/0051K

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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

I. Initial Conditions

Unit 2 was in Mode 1 (Power Operation) at 100 percent power.

II. Description of Event

A. Event:

At 1425 PDT, August 29, 1987, the time interval requirement specified by Technical Specification (TS) 4.1.3.1.1, including the allowed extension of TS 4.0.2, was exceeded. TS 4.1.3.1.1 requires verification, every 4 hours when the rod position deviation monitor (RPDM) is inoperable, that each full-length rod (AA) is within its group demand limit.

At 0442 PDT, August 29, 1987, the plant process computer (P-250) (ID) was rebooted to correct a log typewriter (ID)(TPW) problem. During this reboot of the computer the rod bank positions did not change, and subsequently they were not updated in the computer as required by the computer software. If rod bank positions are not updated during a reboot, the RPDM program is not reactivated and is therefore inoperable.

A review of the plant logs showed that the position of each rod was determined to be within group demand limit on the following times:

August 29, 1987	0442	RPDM inoperable
August 29, 1987	0925	Group demand limit verified
August 29, 1987	1731	Group demand limit verified
August 30, 1987	0309	Group demand limit verified
August 30, 1987	0545	RPDM operable

This periodicity does not satisfy the 4-hour criterion specified in TS 4.1.3.1.1 for when the RPDM is inoperable.

At 0454 PDT, August 30, 1987, during performance of Surveillance Test Procedure (STP) I-42, "Rod Position Monitor Functional Test," it was determined that the RPDM was inoperable. The RPDM was returned to service at 0545 PDT, August 30, 1987, and the correct verification frequency (every 12 hours) required by TS 4.1.3.1.1 was resumed.

B. Inoperable structures, components, or systems that contributed to the event:

None

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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

C. Dates and approximate times for major occurrences:

1. August 29, 1987, 0442 PDT RPDM inoperable.
2. August 29, 1987, 1425 PDT Event date: Time interval requirement specified by TS 4.1.3.1.1 exceeded, including the allowed extension of TS 4.0.4.
3. August 30, 1987, 0454 PDT Discovery date: RPDM determined to be inoperable.
4. August 30, 1987, 0545 RPDM operable.

D. Other systems or secondary functions affected:

None

E. Method of discovery:

At 0454 PDT, August 30, 1987, during performance of STP I-42, it was determined that the RPDM was inoperable.

F. Operator actions:

The RPDM was returned to service at 0545 PDT, August 30, 1987, by updating the rod bank positions in the P-250 computer.

G. Safety system responses:

None

III. Cause of event:

A. Immediate cause:

During rebooting of the P-250 computer to correct a log typewriter problem, rod bank positions were not updated in the computer as required. If rod bank positions are not updated during a reboot, the RPDM program is not reactivated and is therefore inoperable.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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

B. Root cause:

Personnel Error: During rebooting of the P-250 computer to correct a log typewriter problem, rod bank positions were not updated in the computer as required. Since group positions had not changed during the reboot of the computer, the operator decided that updating rod group positions was not applicable.

Procedural deficiency: A contributing factor was that the procedure for rebooting the P-250 computer instructed the operator to update group rod positions if applicable. The procedure did not give any guidance as to when group rod positions required updating during reboot of the computer.

IV. Analysis of Event:

During a review of this event, it was determined that no rod deviation existed during this period because:

1. No group rod movement of greater than 12 steps was made,
2. Operators did not detect any rod misalignment by observing digital rod position indication during the course of their shift,
3. Rod positions were verified and documented three times to be within group demand limit.

Therefore, there were no adverse safety consequences or implications resulted from this event.

V. Corrective Actions:

1. An on-the-spot procedure revision was made to the P-250 computer reboot procedure, clarifying when rod bank position is required to be updated during rebooting of the P-250 computer.
2. This event will be reviewed with all currently licensed operators by means of an Operations Summary Report.
3. This event will be discussed in initial operator training.

VI. Additional Information:

A. Failed components:

None

B. Previous LERs on similar events:

None

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PACIFIC GAS AND ELECTRIC COMPANY

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JAMES D. SHIFFER
VICE PRESIDENT
NUCLEAR POWER GENERATION

September 28, 1987

PGandE Letter No.: DCL-87-242

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 2-87-021-00
Failure to Meet Technical Specification Requirement for Inoperable Rod
Position Deviation Monitor Due to Personnel Error

Gentlemen:

Pursuant to 10 CFR 50.73(a)(2)(i)(B), PGandE is submitting the enclosed Licensee Event Report concerning failure to meet Technical Specification requirement for inoperable rod position deviation monitor due to personnel error. 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
M. M. Mendonca
P. P. Narbut
B. Norton
B. H. Vogler
CPUC
Diablo Distribution
INPO

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