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U.S. NUCLEAR REGULATORY COMMISSION

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I. Plant Conditions

C Form 3664

The plant was in Mode 5 (Cold Shutdown) prior to missing the surveillance on October 25, 1984 and operated in Modes 1 (Power Operation) to Mode 5 (Cold Shutdown) during this event.

II. Description of Event

A. Event:

On January 3, 1986, plant personne! conducting a review of surveillance test records identified missing surveillances on three reactor coolant system temperature instrumentation channels (JC). On February 8, 1986, as part of the same review, plant personnel identified another missed surveillance on a containment pressure instrumentation channel (JC). These surveillances are required by Technical Specifications 4.3.1.1 and 4.3.2.1.

The surveillance test records were being reviewed as a result of a Quality Assurance Audit Finding Report on the Updating of Preventative Maintenance Tracking System (PMTS) Records. The audit finding report identified that PMTS records had been updated with partially completed data sheets. As a result of this audit finding report, Instrument and Controls (I&C) Department personnel with the assistance of Quality Assurance personnel conducted a complete review of I&C surveillance test records on both Unit 1 and Unit 2.

From this review it was identified that partial calibrations performed as a result of maintenance activities were incorrectly entered as complete calibrations in PMTS records for the following instruments:

Reactor Channe!	Coolant 411/412	Temperature		Inoperable from to 9-23-85	10-25-84
Reactor Channel	Coolant 431/432	Temperature	:	Inoperable from to 4-22-85	10/31/84
Reactor Channel	Coolant 441/442	Temperature	:	Inoperable from to 9-17-85	11-05-84

It was further identified that PMTS records were incorrectly updated to show a complete calibration when only a functional test was performed on the following instrument:

Containment	Pressure	1.1.1.1.1.1	Inoperable	from	12-26-85
Channel 935			to 2-11-86	5	

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		b.	October 25, 1984	Event Date - of Technica including a was exceede	Surv 1 Spe 11owa d.	vei ecit able	llance ficatio e exter	te	st ini (TS) 4 on of	tervi 1.3.1 TS	al 2.1 4.0.	2.
		c.	September 23, 198	35: Complete ch	annel	c	alibra	tio	n pert	form	ed.	
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15-3 A 14		с.	April 22, 1985:	Complete ch	anne	1 c	alibra	tio	n per	form	ed.	
		d.	January 3, 1986:	Discovery D test record	ate: Is ide	Rent	eview ified	of mis	I&C si sed si	urve	111a 111a	nce.
	3.	Read	ctor coolant tempe	rature instrume	ent cl	han	nel 44	1/4	42			
		a.	December 20, 198	2: Complete ch	anne	1 c	alibra	tio	n per	form	ed.	

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		b. c.	November 5, September 1	1984: 7, 1985:	Event Date - of Technica including a TS 4.0.2. W Complete ch	Surv 1 Spe 11owa vas en nannel	vei abl kce l c	llanc fi:af e ext eded. alibra	e te ion ensi atio	st in (TS) on of n per 18C s	terva 4.3.2	al 2.1
		u.	January 5,	1900.	test record	is ide	ent	ified	mis	sed s	urve	11
	4.	Cont	ainment pres	sure ins	trument chan	inel s	935					
		a.	February 10	. 1984:	Complete ch	annel	c	alibra	atio	n per	form	ed
		b.	December 26	, 1985:	Event Date of Technica including a TS 4.0.2 wa	- Sun 1 Spe 11owa 11 sext	eci abl	illan ficat e ext ded.	ce t ion ensi	est 1 (TS) on of	nter 4.3.2	/a 2.
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III. Cause of Event

RC Form 366A

A. Immediate Cause:

Failure to meet surveillance requirements on Reactor Coolant Temperature Instrumentation Channels 411/412, 431/432, and 441/442 and on Containment Pressure Channel 935 as required by Technical Specifications 4.3.1.1 and 4.3.2.1.

- B. Root Cause:
 - 1. Personnel error (cognitive); a lack of attention to detail.
 - Inadequate training of I&C personnel upgraded to supervisory status on PMTS updating requirements.

IV. Analysis of Event

During the time that the surveillance requirements were not met, the functional testing program (an analog channel operational test performed on a monthly interval as required by Technical Specifications 4.3.1.1 and 4.3.2.1) for these instruments indicated that the instrumentation was operating correctly. The completed channel calibrations, performed subsequent to this period, demonstrated the instruments to be in tolerance. Thus, no adverse safety consequences or implications resulted from this event.

V. Corrective Actions

As a result of this event the following corrective actions are being taken. An I&C policy memorandum was issued to all appropriate I&C personnel to emphasize the method of correctly updating the PMTS. An independent technical review of I&C surveillance tests for completeness is now being performed prior to PMTS updating. In addition, supplementary training is being developed for I&C personnel upgraded to supervisory status to ensure that they are knowledgeable about the correct method of updating the PMTS.

VI. Additional Information

A. Failed components:

None

B. Previous LERs on similar events:

None

PACIFIC GAS AND ELECTRIC COMPANY

PGWE

77 BEALE STREET . SAN FRANCISCO, CALIFORNIA 94106 . (415) 781-4211 . TWX 910-372-6587

JAMES D. SHIFFER VICE PRESIDENT NUCLEAR POWER GENERATION

March 10, 1986

PGandE Letter No.: DCL-86-066

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 1-86-001-01 Reactor Coolant System Temperature and Containment Pressure Instrumentation Surveillances Missed Due to Inadequate Understanding of the Preventative Maintenance Tracking System Updating Requirements

Gentlemen:

Pursuant to 10 CFR 50.73(a)(2)(i), PGandE is submitting the enclosed revision to Licensee Event Report 1-86-001 concerning missed surveillances on reactor coolant system temperature and containment pressure instrumentation.

This revision provides supplemental information on the reactor coolant system temperature instrumentation missed surveillance and provides information on an additional missed surveillance on the containment pressure instrumentation which was identified during the review of surveillance test records.

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.

Levelannand In J. D. Shiffer

Enclosure

cc: L. J. Chandler R. T. Dodds J. B. Martin B. Norton H. E. Schierling CPUC Diablo Distribution INPO

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