

Pacific Gas and Electric Company

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Gregory M. Rueger  
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Nuclear Power Generation

April 25, 1994

PG&E Letter HBL-94-025



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

Docket No. 50-133, OL-DPR-7  
Humboldt Bay Power Plant, Unit 3  
Licensee Event Report 3-94-001-00  
Thermoluminescent Dosimeter Missing From Onsite Radiation Monitoring  
Station Due To Unknown Reasons

Gentlemen:

Pursuant to 10 CFR 50.73(a)(2)(i)(B), PG&E is hereby submitting the enclosed Licensee Event Report concerning the inability to perform a required environmental radiation measurement required by the Technical Specifications due to dosimeters being missing from a monitoring station.

This event had no effect on the health and safety of the public.

Sincerely,

A handwritten signature in dark ink, appearing to read "Greg Rueger", written over a horizontal line.

Gregory M. Rueger

cc: Lawrence G. Bell  
Stewart W. Brown  
Leonard J. Callan  
Kenneth E. Perkins  
Humboldt Distribution

HB3-94-QC-N001

Enclosure

6435S/BDP/2246

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# LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) <b>HUMBOLDT BAY UNIT 3</b>										DOCKET NUMBER (2) <b>0 5 0 0 0 1 3 3</b>					PAGE (3) <b>1</b> OF <b>4</b>								
TITLE (4) <b>THERMOLUMINESCENT DOSIMETER MISSING FROM ONSITE RADIATION MONITORING STATION DUE TO UNKNOWN REASONS</b>																							
EVENT DATE (6)			LER NUMBER (8)					REPORT DATE (7)			OTHER FACILITIES INVOLVED (8)												
MON	DAY	YR	YR	SEQUENTIAL NUMBER			REVISION NUMBER		MON	DAY	YR	FACILITY NAMES			DOCKET NUMBER (5)								
03	29	94	94	-	0	0	1	-	0	0	04	25	94				0	5	0	0	0		
			THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR: (11)																				
OPERATING MODE (9) <b>N</b>			<div style="display: flex; justify-content: space-between;"> <span><input checked="" type="checkbox"/> 10 CFR <u>50.73(a)(2)(i)(B)</u></span> <span><input type="checkbox"/> OTHER - _____</span> </div> (Specify in Abstract below and in text, NRC Form 366A)																				
POWER LEVEL (10) <b>0 0 0</b>																							
LICENSEE CONTACT FOR THIS LER (12)																							
<b>ROY B. WILLIS, PLANT ENGINEER</b>										TELEPHONE NUMBER													
										AREA CODE <b>707</b>			444-0700										
COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)																							
CAUSE	SYSTEM	COMPONENT	MANUFAC-TURER	REPORTABLE TO NPRDS		CAUSE	SYSTEM	COMPONENT	MANUFAC-TURER	REPORTABLE TO NPRDS													
SUPPLEMENTAL REPORT EXPECTED (14)												EXPECTED SUBMISSION DATE (15)	MONTH	DAY	YEAR								
<input type="checkbox"/> YES (if yes, complete EXPECTED SUBMISSION DATE)										<input checked="" type="checkbox"/> NO													
ABSTRACT (16)																							
<p>On March 29, 1994, while the Unit was in SAFSTOR, a technician was performing the quarterly exchange of the thermoluminescent dosimeters (TLDs) in onsite environmental radiation monitoring stations when he found that one of the stations did not contain a TLD packet. The Technical Specifications (TS) require that the dosimeters at these stations be monitored at least quarterly (TS Section V.B.6.b). A new TLD packet was installed for the second quarter monitoring period.</p> <p>The root cause of this event is unknown, as the packet is believed to have been removed by unknown parties for unknown reasons.</p> <p>Corrective action to help prevent recurrence included fitting this and similar monitoring stations with a tamper resistant seal to discourage opening the station. In addition, all plant personnel have been informed of the purpose and importance of the stations, and information labels have been attached to the stations.</p>																							

# LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER		
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TEXT (17)

I. Initial Conditions

Unit 3 was in SAFSTOR.

II. Description of Event

A. Event:

On March 29, 1994, a packet of thermoluminescent dosimeters (TLDs) was found to be missing from an onsite environmental radiation monitoring station where quarterly monitoring is required by Technical Specification Section V.B.6.b. This packet had been installed on December 30, 1993.

B. Discovery:

On March 29, 1994, while the Unit was in SAFSTOR, a technician was performing the quarterly exchange of the TLDs in onsite environmental radiation monitoring stations when he found that one of the stations (identified as "T12", and located near the new Sandblasting Facility) did not contain a TLD packet. A new TLD packet was installed for the second quarter monitoring period.

C. Inoperable Structures, Components, or Systems that Contributed to the Event:

None.

D. Dates and Approximate Times for Major Occurrences:

1. December 30, 1993:

As part of Surveillance Test Procedure (STP) 3.16.11, "Quarterly Environmental Monitoring TLD Exchange," a packet containing TLDs (numbers 412, 413 and 414) was installed at station "T12".

2. Sometime between December 30, 1993 and March 29, 1994:

Event Date -- The TLD packet was removed.

3. March 29, 1994:

Discovery Date -- During the performance of STP 3.16.11, the packet of TLDs installed December 30, 1993 was found to be missing. A new TLD packet was installed for the second quarter monitoring period.

E. Other Systems or Secondary Functions Affected:

None.

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## F. Method of Discovery:

The event was discovered when a technician, who was performing the quarterly exchange of the TLDs in onsite environmental radiation monitoring stations, found that one of the stations (identified as "T12", and located near the new Sandblasting Facility) did not contain a TLD packet.

## G. Operator Actions:

The TLD packet for the next quarterly monitoring period was installed in the monitoring station.

## H. Safety System Responses:

None.

## III. Cause of Event

### A. Immediate Cause:

Unknown.

### B. Root Cause:

Unknown.

## IV. Analysis of Event

The TLD exchange is performed by a Radiation and Process Monitor (RPM) according to STP 3.16.11. Review of the STP data sheets and discussions with the RPMs indicate that the previous exchange (12/30/93) was normal. The dosimeter processor verified that the missing TLD had not been inadvertently returned at the beginning of the quarter. Various personnel who frequent the Sandblasting Facility were asked about the missing TLDs, and the general vicinity of the station was inspected with negative results. The Technical Review Group (TRG) concluded that the TLDs had been installed on December 3, 1993, and removed by an unknown individual sometime before March 29, 1994.

Because plant personnel are unable to determine the first quarter station radiation measurement, the TRG determined that this is a reportable event under 10 CFR 50.73(a)(2)(i)(B). The loss of the TLDs from the station impact beyond the loss of data. When the data for the annual report to NRC are compiled, it will be possible to review the results of adjacent stations, and to review the later results for this station.

The health and safety of the public were not affected by this event.

# LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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TEXT (17)

## V. Corrective Actions

### A. Immediate Corrective Actions:

1. The missing TLD packet was replaced with the packet for the next quarterly monitoring period.

### B. Corrective Action to Prevent Recurrence:

1. To help prevent recurrence, each of the seventeen "T"-series stations has been fitted with a plastic tamper resistant seal to discourage opening the station. In addition, all plant personnel have been informed of the purpose and importance of the monitoring stations, and information labels have been attached to the stations.

## VI. Additional Information

### A. Failed Components:

None.

### B. Previous LERs on Similar Events:

None.