

June 16, 2020

PG&E Letter DCL-20-047

U.S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, DC 20555-0001

10 CFR 21.21

Docket No. 50-275, OL-DPR-80  
Docket No. 50-323, OL-DPR-82  
Diablo Canyon Power Plant, Units 1 and 2  
10 CFR Part 21 Notification: Inadequate Dedication of Replacement Thermocouples


Dear Commissioners and Staff,

In accordance with the requirements of 10 CFR 21.21 (d)(3)(ii), Pacific Gas and Electric Company (PG&E) hereby submits the enclosed Diablo Canyon Power Plant (DCPP) written notification of the identification of a defect. This information was initially reported to the Nuclear Regulatory Commission Operations Center on May 20, 2020 (Event Notification 54721). The information provided in the enclosed report meets the reporting requirements of 10 CFR 21.21 (d)(4).

PG&E makes no new or revised regulatory commitments (as defined by NEI 99-04) in this report. Corrective actions identified in this letter will be implemented in accordance with the DCPP Corrective Action Program.

This event did not adversely affect the health and safety of the public.

Sincerely,



/Maureen Zawalick for James Welsch

James M. Welsch

dqmg/51072190

Enclosure

Cc/enc: Scott A. Morris, NRC Region IV Administrator  
Christopher W. Newport, NRC Senior Resident Inspector  
Balwant K. Singal, NRR Senior Project Manager  
INPO  
Diablo Distribution

**10 CFR PART 21 NOTIFICATION**

**INADEQUATE DEDICATION OF REPLACEMENT THERMOCOUPLES**

10 CFR Part 21 Notification

Inadequate Dedication of Replacement Thermocouples

The following information is provided pursuant to 10 CFR 21.21(d)(4).

**i. Name and address of the individual or individuals informing the Commission.**

James M. Welsch  
Senior Vice President, Generation and Chief Nuclear Officer  
Diablo Canyon Power Plant  
Mail Code 104/6  
P.O. Box 56  
Avila Beach, CA 93424

**ii. Identification of the facility, the activity, or the basic component supplied for such facility or such activity within the United States which fails to comply or contains a defect.**

Facility: Diablo Canyon Power Plant (DCPP) Unit 1 and 2  
Docket No. 50-275 and 50-323  
License No. OL-DPR-80 and OL-DPR-82  
Basic Component: Thermocouple, Bellofram Model 3060-2-JJ-2-13.00-0-1-000

**iii. Identification of the firm constructing the facility or supplying the basic component which fails to comply or contains a defect.**

Diablo Canyon Power Plant  
P.O. Box 56  
Avila Beach, CA 93424

**iv. Nature of the defect or failure to comply and the safety hazard which is created or could be created by such defect or failure to comply.**

The original defect was discovered on April 10, 2020, during bench testing where two separate thermocouples exhibited leakage during static assembly. The two thermocouples were tested as part of a spare safety-related pump motor refurbishment. Upon subsequent review, it was identified that a pressure boundary test had not been required as part of the dedication process, but should have been for its safety-related application.

**v. The date on which the information of such defect or failure to comply was obtained.**

On May 18, 2020, Pacific Gas and Electric (PG&E) completed its evaluation of a deviation concerning commercial-grade thermocouples dedicated at DCPD. The reporting officer was informed on May 18, 2020. The defect was reported to the NRC telephonically on May 20, 2020 (Event Notification 54721).

- vi. In the case of a basic component which contains a defect or fails to comply, the number and location of these components in use at, supplied for, being supplied for, or may be supplied for, manufactured, or being manufactured for one or more facilities or activities subject to the regulations in this part.**

Components of the suspect batch were not installed in the plant and there was no risk to the health and safety of the public. Thermocouples from the same batch have been quarantined to prevent installation, and it has been confirmed that none of the suspect batch of thermocouples have been installed in the plant.

- vii. The corrective action which has been, is being, or will be taken; the name of the individual or organization responsible for the action; and the length of time that has been or will be taken to complete the action.**

This defect was documented in the DCPD corrective action program. The thermocouple replacement part evaluation has been revised to include a pressure boundary test as part of the commercial-grade dedication prior to acceptance.

- viii. Any advice related to the defect or failure to comply about the facility, activity, or basic component that has been, is being, or will be given to purchasers or licensees.**

None.

- ix. In the case of an early site permit, the entities to whom an early site permit was transferred.**

This event does not involve an early site permit.