



**Pacific Gas and  
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PG&E Letter DCL-11-052

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

10 CFR 50.73

Docket No. 50-275, OL-DPR-80  
Docket No. 50-323, OL-DPR-82  
Diablo Canyons Unit 1 and Unit 2  
Licensee Event Report 1-2011-003-00  
Deviation From License Condition For Physical Protection Due to Tsunami Event

Dear Commissioners and Staff:

Pacific Gas and Electric Company submits the enclosed Licensee Event Report (LER) regarding the deviation from a license condition made pursuant to 10 CFR 50.54(x), the result of the March 11, 2011, Japan 9.0 earthquake event, and the associated Pacific Rim tsunami event. This LER is submitted in accordance with 10 CFR 50.73(a)(2)(i)(C).

There are no new or revised regulatory commitments in this report. This event did not adversely affect the health and safety of the public.

Sincerely,

James R. Becker

swh/50381368

Enclosure

cc/enc: Elmo E. Collins, NRC Region IV  
Michael S. Peck, NRC Senior Resident Inspector  
Alan B. Wang, NRR Project Manager  
INPO  
Diablo Distribution

**LICENSEE EVENT REPORT (LER)**  
(See reverse for required number of digits/characters for each block)

Estimated burden per response to comply with this mandatory collection request: 80 hours. Reported lessons learned are incorporated into the licensing process and fed back to industry. Send comments regarding burden estimate to the FOIA/Privacy Section (T-5 F53), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to infocollects.resource@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0104), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.

<b>1. FACILITY NAME</b> Diablo Canyon Power Plant Unit 1	<b>2. DOCKET NUMBER</b> 05000 275	<b>3. PAGE</b> 1 OF 3
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**4. TITLE**  
Deviation From License Condition For Physical Protection Due To Tsunami Event

5. EVENT DATE			6. LER NUMBER			7. REPORT DATE			8. OTHER FACILITIES INVOLVED	
MONTH	DAY	YEAR	YEAR	SEQUENTIAL NUMBER	REV NO.	MONTH	DAY	YEAR	FACILITY NAME	DOCKET NUMBER
03	11	2011	2011	3	0	04	28	2011	Diablo Canyon Power Plant Unit 2	05000 323
									FACILITY NAME	DOCKET NUMBER
										05000

<b>9. OPERATING MODE</b> 1	<b>11. THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §:</b> (Check all that apply)										
	<input type="checkbox"/> 20.2201(b)	<input type="checkbox"/> 20.2203(a)(3)(i)	<input checked="" type="checkbox"/> 50.73(a)(2)(i)(C)	<input type="checkbox"/> 50.73(a)(2)(vii)							
<b>10. POWER LEVEL</b> 100	<input type="checkbox"/> 20.2201(d)	<input type="checkbox"/> 20.2203(a)(3)(ii)	<input type="checkbox"/> 50.73(a)(2)(ii)(A)	<input type="checkbox"/> 50.73(a)(2)(viii)(A)							
	<input type="checkbox"/> 20.2203(a)(1)	<input type="checkbox"/> 20.2203(a)(4)	<input type="checkbox"/> 50.73(a)(2)(ii)(B)	<input type="checkbox"/> 50.73(a)(2)(viii)(B)							
	<input type="checkbox"/> 20.2203(a)(2)(i)	<input type="checkbox"/> 50.36(c)(1)(i)(A)	<input type="checkbox"/> 50.73(a)(2)(iii)	<input type="checkbox"/> 50.73(a)(2)(ix)(A)							
	<input type="checkbox"/> 20.2203(a)(2)(ii)	<input type="checkbox"/> 50.36(c)(1)(ii)(A)	<input type="checkbox"/> 50.73(a)(2)(iv)(A)	<input type="checkbox"/> 50.73(a)(2)(x)							
	<input type="checkbox"/> 20.2203(a)(2)(iii)	<input type="checkbox"/> 50.36(c)(2)	<input type="checkbox"/> 50.73(a)(2)(v)(A)	<input type="checkbox"/> 73.71(a)(4)							
	<input type="checkbox"/> 20.2203(a)(2)(iv)	<input type="checkbox"/> 50.46(a)(3)(ii)	<input type="checkbox"/> 50.73(a)(2)(v)(B)	<input type="checkbox"/> 73.71(a)(5)							
<input type="checkbox"/> 20.2203(a)(2)(v)	<input type="checkbox"/> 50.73(a)(2)(i)(A)	<input type="checkbox"/> 50.73(a)(2)(v)(C)	<input type="checkbox"/> OTHER								
<input type="checkbox"/> 20.2203(a)(2)(vi)	<input type="checkbox"/> 50.73(a)(2)(i)(B)	<input type="checkbox"/> 50.73(a)(2)(v)(D)	Specify in Abstract below or in NRC Form 366A								

**12. LICENSEE CONTACT FOR THIS LER**

FACILITY NAME Thomas R. Baldwin, Manager, Regulatory Services	TELEPHONE NUMBER (Include Area Code) (805) 545-4720
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**13. COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT**

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO EPIX	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO EPIX

<b>14. SUPPLEMENTAL REPORT EXPECTED</b>	<b>15. EXPECTED SUBMISSION DATE</b>	MONTH	DAY	YEAR
<input type="checkbox"/> YES (If yes, complete 15. EXPECTED SUBMISSION DATE)	<input checked="" type="checkbox"/> NO			

ABSTRACT (Limit to 1400 spaces, i.e., approximately 15 single-spaced typewritten lines)

On March 11, 2011, at 0123 PST, an Unusual Event was declared for Diablo Canyon Power Plant (DCPP) Units 1 and 2 due to a tsunami warning issued by the National Oceanic and Atmospheric Administration National Weather Service, Pacific Tsunami Warning Center for the California West Coast. DCPP operators implemented the requirements of Casualty Procedure M-5, "Response to Tsunami Warning." During this event, on March 11, 2011, at 0742 PST, plant personnel were evacuated from the DCPP Intake Structure to protect their health and safety. Evacuation of security personnel from the Intake Structure constitutes a deviation from DCPP License Condition 2.E, Physical Protection, which was authorized pursuant to 10 CFR 50.54(x). On March 11, 2011, at 1055 PST, plant security personnel were redeployed to the Intake Structure, restoring compliance with DCPP License Condition 2.E, Physical Protection. No damage or injuries were observed as a result of this tsunami event and there was no impact on the health and safety of the general public. (Reference ENS # 46668)

**LICENSEE EVENT REPORT (LER) U.S. NUCLEAR REGULATORY COMMISSION  
CONTINUATION SHEET**

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Diablo Canyon Power Plant Unit 1	05000 275	YEAR	SEQUENTIAL NUMBER	REV NO.	2 OF 3
		2011	- 003	- 00	

**NARRATIVE**

**I. Plant Conditions**

At the time of the event, Diablo Canyon Power Plant (DCPP) Units 1 and 2 were in Mode 1 (Power Operation) at approximately 100 percent reactor power with normal operating reactor coolant temperature and pressure.

**II. Description of Problem**

**A. Background**

The National Oceanic and Atmospheric Administration's (NOAA) National Weather Service, Pacific Tsunami Warning Center issues tsunami advisories and warnings based on natural events that have the potential to produce a tsunami. To prepare for and mitigate the impact of a tsunami event, DCPP Casualty Procedure CP M-5, "Response to Tsunami Warning," provides detailed actions to take in the event of a tsunami warning.

**B. Event Description**

On March 10, 2011, at 2146 PST, a 9.0 earthquake event took place off the northern coast of Japan. This event produced a tsunami that was felt throughout the Pacific Basin and countries along the Pacific Rim. At 0123 PST on March 11, 2011, a tsunami warning was issued by NOAA. An emergency was declared at the Unusual Event classification at 0123 PST and DCPP entered CP M-5. Plant personnel were evacuated from the DCPP Intake Structure at 0742 PST in preparation for the arrival of the first of several tsunami waves estimated to arrive at 0808 PST. Evacuation of security personnel from the intake structure constituted a deviation from DCPP License Condition 2.E, Physical Protection. This deviation was authorized pursuant to 10 CFR 50.54(x). Plant security personnel were redeployed to the Intake Structure at 1055 PST after passage of the largest anticipated tsunami waves, and personnel safety from this event was no longer a concern.

**C. Status of Inoperable Structures, Systems, or Components that Contributed to the Event**

None

**D. Other Systems or Secondary Functions Effected**

None

**E. Method of Discovery**

Notification of a tsunami warning from NOAA's National Weather Service, Pacific Tsunami Warning Center

**F. Operator Actions**

DCPP operators implemented the requirements of CP M-5, which included temporary evacuation of plant personnel from the Intake Structure.

**G. Safety System Responses**

None

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		2011	- 003	- 00	

**NARRATIVE**

**III. Cause of the Problem**

**A. Immediate Cause**

On March 10, 2011, at 2146 PST, a 9.0 earthquake event took place off the northern coast of Japan. This event produced a tsunami that was felt throughout the Pacific Basin and countries along the Pacific Rim.

**IV. Assessment of Safety Consequences**

The temporary relocation of plant personnel from the Intake Structure was made pursuant to 10 CFR 50.54(x) and constituted a deviation of License Condition 2.E, Physical Protection. Security personnel maintained the Intake Structure under continuous surveillance, visually and remotely, during the evacuation period. A search of the Intake Structure was conducted upon redeployment of security guards. There was no impact to the health and safety of the general public as a result of the deviation from the license condition.

**V. Corrective Actions**

**A. Immediate Corrective Actions**

In preparation for the arrival of the first of several tsunami waves, estimated to be 0808 PST, plant personnel were evacuated from the DCPD Intake Structure at 0742 PST. At 1055 PST, DCPD redeployed plant personnel and reposted security guards once the tsunami wave danger had passed.

**B. Corrective Actions to Prevent Recurrence (CAPR)**

No corrective actions to prevent recurrence are warranted for a tsunami.

**VI. Additional Information**

**A. Failed Components**

None

**B. Previous Similar Events**

There have been no previous instances at DCPD where 10 CFR 50.54(x) was applied due to occurrence of a natural hazard.

**C. Industry Reports**

None