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January 9, 2014

Mr. Michael Robertson Gas Safety and Reliability Branch Safety and Enforcement Division California Public Utilities Commission 320 West 4th Street, Suite 500 Los Angeles, CA 90013

## Re: California Public Utilities Commission Final Report of Gas Incident Oakland, California – December 10, 2013

Dear Mr. Robertson:

This letter supplements our electronic notification and initial 420 report of December 11, 2013 concerning an incident that occurred on December 10, 2013 at Redacted 1 and Redacted in the City of Oakland.

On December 10, 2013 at approximately 0839 hours Pacific Gas and Electric (PG&E) was notified of a gas fire a Redacted PG&E personnel arrived on site at 0844 hours. The source of the leak was a severed 4-inch steel elbow. The elbow was retained and an analysis of the elbow was conducted. With the aid of an external contractor, PG&E's investigation indicates that external ground forces acting on the pipeline resulted in stresses that caused the fracture at the elbow. Additionally, available information from the USGS on the rate of creep of the Hayward earthquake fault in this area supports a fair amount of displacement of the fault at this location over time. A systematic review of ignition sources was also performed; the most probable source of ignition is a transitory ignition source such as a passing vehicle, static discharge or, dropped cigarette. The gas flow was shut in at 1135 hours by cutting, capping and welding the 4-inch main in 3 locations. Nineteen customers experienced gas service interruption. All affected customers were restored by 2200 hours.

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There are no injuries or fatalities and damages are less than \$50,000. This was reported to CPUC due to the presence of major Bay Area media on site.

I respectfully call your attention to the fact that accident reports are solely for the confidential use of the Commission and its staff and are not open to public inspection (PUC GO 66-C, Public Utilities Code, Section 315 and 583), except for the copy of the United States Department of Transportation (D.O.T.) Report made public to the United States D.O.T., pursuant to Commission Resolution dated February 10, 1970.

Sincerely,

/S/ Frances Yee

Attachment

## **CALIFORNIA PUBLIC UTILITIES COMMISSION**

Report of Gas Leak or Interruption\*

CPUC File No. 420 FINAL

## Part I: CPUC CONTACT INFORMATION

Utility Name: Pacific Gas & Electric Co	. CPUC Contact: Name	CPUC Website	Recorder	· □ FAX □
Redacted	Date	12/10/13	Time: (24hr)	10:13
	CPUC Information Reque	· —	Sketch/Photo	FD Report 🗌
	DOT Notified - Yes	No 🛛 DOT Report N	Number:	
Part II: INCIDENT DETAILS				
Incident Location	Incident Time	Reported t	to the Utility	
City/County: Oakland/Alameda	Date 12/	/10/13	12/10/13 Time: (24hr)	) 08:39
Redacted Time: (24hr) 08:00 (est.) Reported by: Oakland Fire Department				
Reason(s) for Reporting (check all that apply)				
Gas leak associated with: Emergency action required:				
Death 🗌 🛛 Injury 🗌 \$\$Dama				ding Evacuated 🔀
Service Interruption	Operator Judgment	Other Emergency actions		
	Transmission Line Shutdown	Release of Gas > 3 MMCF		
Incident Cause Dig In Fire/Explosion		—	Corrosion 🗌 Vehicle Impact	Suicide
UNKNOWN - MORE INFORMATION TO FOLLOW D Other (describe) External Forces				
Escaping Gas Involvement (check all that apply) Leak Only Fire Explosion None				
Summary (Briefly describe the incident and the probable cause). On December 10, 2013 at approximately 0839 hours Pacific Gas and				
Electric (PG&E) was notified of a gas fire source of the leak was a severed 4-inch ste	al albow. The albow was t		onnel arrived on site at 084	
aid of an external contractor, PG&E's investigation indicates that external ground forces acting on the pipeline resulted in stresses that caused the fracture at the elbow. Additionally, available information from the USGS on the rate of creep of the Hayward earthquake				
fault in this area supports a fair amount of displacement of the fault at this location over time. A systematic review of ignition sources				
was also performed; the most probable sou				
				discharge or,
dropped cigarette. The gas flow was shut	in at 1135 hours by cutting,	, capping and welding th	ne 4-inch main in 3 locatio	discharge or, ons.Nineteen
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