

**Docket No. SA-534**

**Exhibit No. 2-AO**

**NATIONAL TRANSPORTATION SAFETY BOARD**

**Washington, D.C.**

NTSB\_033\_008

ALL CROSS TIE VALVES ON L101, 109 & L132

(4 Pages)

**PACIFIC GAS AND ELECTRIC COMPANY  
San Bruno Gas Transmission Line Incident  
Data Response**

PG&E Data Request No.:	NTSB_033-008		
PG&E File Name:	San Bruno GT Line Incident_DR_NTSB_033-008		
Request Date:	November 2, 2010	Requesting Party:	NTSB
Date Sent:	November 15, 2010	Requestor:	Operations (Shori)

**QUESTION 8**

Please provide a listing of all inter-tie valves installed on Lines 101, 109, and 132. For each valve listed, please provide the following:

- a) The location of the valve (by mile-point and geographical location);
- b) Description of what the valve is used for (i.e., the points and lines inter-tied through the valve);
- c) The normal operational position of the valve (i.e., normally open or normally closed);
- d) The PG&E Division or District which maintains the valve.

**ANSWER 8**

The following table lists the principal inter-tie valves on the San Francisco Peninsula Transmission Line system.

Valve Number	Location	Division	Source TL & Mile Point	Purpose	Normal Position	Winter Season Position
1	Sierra Vista Ave. Mtn. View	De Anza	109 @ MP 9.89	Tie 109 to 132 and 132A	Open	Open
2	Sierra Vista Ave. Mtn. View	De Anza	109 @ MP 9.89	Tie 109 to 132 and 132A	Open	Open
3	Sierra Vista Ave. Mtn. View	De Anza	132 @ MP 10.32	Tie 132 to 132A and 109	Open	Open

**PACIFIC GAS AND ELECTRIC COMPANY**  
**San Bruno Gas Transmission Line Incident**  
**Data Response**

Valve Number	Location	Division	Source TL & Mile Point	Purpose	Normal Position	Winter Season Position
4	Sierra Vista Ave. Mtn. View	De Anza	132 @ MP 10.32	Tie 132 to 132A and 109	Open	Open
5	Sierra Vista Ave. Mtn. View	De Anza	132 A @ MP 0 132 @ MP 10.32	Tie 101 to 109 & 132 via 132A	Open	Open
8	Sierra Vista Ave. Mtn. View	De Anza	132 A @ MP 0	Tie 101 to 109 & 132 via 132A	Open	Open
1	Rengstorff Ave. Mtn. View	De Anza	101 @ MP 9.78	Tie 101 via 132A to 132	Open	Open
2	Rengstorff Ave. Mtn. View	De Anza	101 @ MP 9.78	Tie 101 via 132A to 109 & 132	Open	Open
278	Edgewood Rd. Crossover Stn.	Peninsula	132 @ MP 25.6	Tie 132 to 147 and 109	Open	Open
279	Edgewood Rd Crossover Stn.	Peninsula	109 @ MP 24.59	Tie 109 to 132 & 147	Open	Open
0.00	Edgewood Rd Crossover Stn.	Peninsula	147 @ MP 0.00	Tie 147 to 109 & 132	Open	Open

**PACIFIC GAS AND ELECTRIC COMPANY**  
**San Bruno Gas Transmission Line Incident**  
**Data Response**

Valve Number	Location	Division	Source TL & Mile Point	Purpose	Normal Position	Winter Season Position
300	Edgewood Rd Crossover Stn.	Peninsula	132 @ MP 25.6 109 @ MP 24.59	Inter-tie 109 & 132	Open	Open
283	Ralston Ave Belmont	Peninsula	109 @ MP 27.93 132 @ MP 29.6	Inter-tie 109 & 132	Closed	Open
284	Ralston Ave Belmont	Peninsula	109 @ MP 27.93 132 @ MP 29.6	Inter-tie 109 & 132	Closed	Open
1	Crystal Springs Rd. Hillsborough	Peninsula	109 @ MP 30.77 132 @ MP31.93	Inter-tie 109 & 132	Closed	Open
2	Crystal Springs Rd. Hillsborough	Peninsula	109 @ MP 30.77 132 @ MP31.93	Inter-tie 109 & 132	Closed	Open
3	Crystal Springs Rd. Hillsborough	Peninsula	109 @ MP 30.77 132 @ MP31.93	Inter-tie 109 & 132	Closed	Open
4	Crystal Springs Rd. Hillsborough	Peninsula	109 @ MP 30.77 132 @ MP31.93	Inter-tie 109 & 132	Closed	Open
19	Martin St. So. San Francisco	Peninsula	132 @ MP 46.59 101 @ MP 39.85	Tie 101 via 132B to 132	Closed	Open

**PACIFIC GAS AND ELECTRIC COMPANY  
San Bruno Gas Transmission Line Incident  
Data Response**

<b>Valve Number</b>	<b>Location</b>	<b>Division</b>	<b>Source TL &amp; Mile Point</b>	<b>Purpose</b>	<b>Normal Position</b>	<b>Winter Season Position</b>
3	Healy Stn. San Bruno	Peninsula	109 @ MP 38.91	Inter-tie 109 & 132	Closed	Open
4	Healy Stn San Bruno	Peninsula	109 @ MP 38.91	Inter-tie 109 & 132	Closed	Open
1	Healy Stn San Bruno	Peninsula	132 @ MP 40.05	Inter-tie 109 & 132	Open *	Open
2	Healy Stn San Bruno	Peninsula	132 @ MP 40.05	Inter-tie 109 & 132	Closed	Open

\* A crosstie between the lines is not created if just one of two in-series crosstie valves is opened at this station.

**QUESTION 8A**

We request that for each of the responses to the questions above, PG&E please provide the name(s) of the individual(s) preparing the response.

**ANSWER 8A**

Drew Kelly