Docket No. SA-534

Exhibit No. 2-B

# NATIONAL TRANSPORTATION SAFETY BOARD

Washington, D.C.

PG&E EVENT TIMELINE

(4 Pages)

| Line | Time | Description | Data   |
|------|------|-------------|--------|
| No.  |      |             | Source |

| 9/9/2 | 010                  |                                                                                                                                                                                                                     |       |
|-------|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| 1     | 3:05 pm              | Gas Control Tech (Oscar Martinez) reports to Gas<br>Control that the installation of new Uninterruptable<br>Power Source (UPS) at Milpitas Terminal should not<br>impact the Milpitas Station during the clearance. | 2     |
| 2     | 4:20 pm-<br>4:32 pm  | Supervisor Control and Data Acquisition (SCADA) detects many Low and Low-Low Alarms at Milpitas.                                                                                                                    | 1     |
| 3     | 4:32 pm              | Alarms cleared at Milpitas Station and alarms returned to normal.                                                                                                                                                   | 1     |
| 4     | 5:23 pm              | SCADA shows many High-High pressure alarms in Milpitas and along L-101, L-109 and L-132.                                                                                                                            | 1     |
| 5     | 5:24 pm              | SCADA shows both sides of Sierra Vista Crosstie (L-109 to L-132) in Mountain View, CA exceeds 375 psig.                                                                                                             | 3     |
| 6     | 5:25 pm              | Gas Control calls Milpitas Station to discuss High-High alarms. Milpitas Gas Control Tech confirms there will be action needed to address the High-High alarms.                                                     | 5     |
| 7     | 5:45 pm              | SCADA shows L-132 Martin Station upstream pressure exceeds 375 psig.                                                                                                                                                | 3     |
| 8     | 5:51 pm -<br>5:52 pm | Gas Control changes three regulation set points PLS-7A and PLS-7B (L-300), and Sheridan Road (L-131) to 370 psig.                                                                                                   | 1     |
| 9     | 5:58 pm -<br>6:07 pm | SCADA shows L-132 (~MP 39.28) reaches a high of ~386 psig                                                                                                                                                           | 3     |
| 10    | 6:11 pm              | Explosion                                                                                                                                                                                                           | Media |
| 11    | 6:12 pm              | SCADA shows upstream pressure at Martin Station on L-132 decreased from 361.4 psig to 289.9 psig.                                                                                                                   | 3     |
| 12    | 6:15 pm              | SCADA Low-Low Alarm at Martin Station on L-132.                                                                                                                                                                     | 1     |
| 13    | 6:18 pm              | Concord Dispatch notified by off duty PG&E employee (former Gas Service Representative [GSR]), Curtis Meredith of fire in San Bruno.                                                                                | 4     |
| 14    | 6:19 pm              | Concord Dispatch calls GSR (Tom Dudley) working in Daly City to see if they can see a fire. GSR's answer is not at this time but will be keep eye out.                                                              | 4     |
| 15    | 6:20 pm              | Off duty Peninsula On-Call Supervisor (Scott Robinson) calls dispatch, bad connection.                                                                                                                              | 4     |
| 16    | 6:21 pm              | An off-duty GSR (Mike Mentzer) calls into Concord Dispatch alerting them that there is a fire in San Bruno that appears to be gas fed.                                                                              | 4     |

| Line | Time    | Description                                                                                              | Data   |
|------|---------|----------------------------------------------------------------------------------------------------------|--------|
| No.  |         |                                                                                                          | Source |
|      |         |                                                                                                          |        |
| 17   | 6:23 pm | Off duty Peninsula On-Call Supervisor (Scott Robinson)                                                   | 4      |
|      |         | calls back into dispatch, confirms flames and notifies                                                   |        |
|      |         | dispatch that he is heading to site.                                                                     |        |
| 18   | 6:23 pm | Concord Dispatch calls GSR (Jareau Breiz) working in                                                     | 4      |
|      |         | San Bruno area and instructs him to go to Sneath and                                                     |        |
|      |         | Skyline in San Bruno to investigate the reported                                                         |        |
|      |         | explosion.                                                                                               |        |
| 19   | 6:24 pm | Concord Dispatch receives "Immediate Response" tag                                                       | 4      |
|      |         | and call from PG&E Call Center regarding fire in San                                                     |        |
|      |         | Bruno (generated by customer call to PG&E Call                                                           |        |
|      |         | Center). This is the first customer call related to the                                                  |        |
| 20   | 6.25    | rupture.                                                                                                 | 4      |
| 20   | 6:25 pm | Concord Dispatch calls Peninsula Division On-Call                                                        | 4      |
| 21   | 6.27    | Supervisor (Chris Baur).                                                                                 | 5 1    |
| 21   | 6:27 pm | Concord Dispatch calls Gas Control about explosion.                                                      | 5, 4   |
| 22   | 6:30 pm | Concord Dispatch calls to check-in with GSR (Jareau                                                      | 4      |
|      |         | Breiz), who has been dispatched to site. GSR advises that he can see flames but is in traffic.           |        |
| 23   | 6:21 nm |                                                                                                          | 5, 4   |
| 23   | 6:31 pm | Gas Control returns call to Concord Dispatch letting them know the San Bruno incident may involve PG&E's | 3, 4   |
|      |         | gas transmission line in the area.                                                                       |        |
| 24   | 6:32 pm | Gas Control left a message for San Francisco Division                                                    | 5      |
| 24   | 0.52 pm | Transmission and Regulation (SF T&R) Supervisor                                                          |        |
|      |         | (Chuck Martinez) because of Low-Low Alarm at Martin                                                      |        |
|      |         | Station.                                                                                                 |        |
| 25   | 6:35 pm | Measurement and Control (M&C) Mechanic (Mike                                                             | 4      |
|      | F       | Hickey) calls dispatch about fire (can see fire from                                                     |        |
|      |         | house) and heads into PG&E's Colma Yard.                                                                 |        |
| 26   | 6:36 pm | SF T&R Supervisor (Chuck Martinez) returned Gas                                                          | 5      |
|      |         | Control call about Low-Low Alarm at Martin Station,                                                      |        |
|      |         | reviewed SCADA data and told Gas Control to contact                                                      |        |
|      |         | Peninsula Division T&R Supervisor.                                                                       |        |
| 27   | 6:40 pm | Peninsula Division On-Call Supervisor (Chris Baur) calls                                                 | 6      |
|      |         | M&C Mechanic (Mike Hickey) after leaving message for                                                     |        |
|      |         | Peninsula Division T&R Supervisor (Steve Poulo), and                                                     |        |
|      |         | tells M&C Mechanic to report to the Colma yard.                                                          |        |
|      |         | Mechanic was already driving to the yard when he                                                         |        |
|      |         | received the phone call. On-call Supervisor (Baur) asks                                                  |        |
|      |         | M&C Mechanic (Mike Hickey) to call 2 <sup>nd</sup> M&C                                                   |        |
|      | 1       | Mechanic (Ed Sickinger).                                                                                 |        |

| Line | Time    | Description                                                   | Data   |
|------|---------|---------------------------------------------------------------|--------|
| No.  |         |                                                               | Source |
|      | 1       |                                                               | 1      |
| 28   | 6:41 pm | GSR (Jareau Breiz) and off duty Peninsula On-Call             | 4      |
|      |         | Supervisor (Scott Robinson) are confirmed to be on-site       |        |
|      |         | based on call to Dispatch.                                    |        |
| 29   | 6:53 pm | SF T&R Supervisor (Chuck Martinez) communicated to            | 5      |
|      |         | Gas Control that San Carlos has crews heading to San          |        |
|      |         | Bruno. Supervisor has crews going to Martin and he will       |        |
|      |         | head to San Bruno to help effort to isolate the rupture.      |        |
| 30   | 6:50 pm | Approximate time first M&C Mechanic (Mike Hickey)             | 7      |
|      |         | arrives at Colma Yard                                         |        |
| 31   | 6:56 pm | San Bruno Police calls Concord Dispatch requesting gas        | 4      |
|      |         | support. This is the first Fire or Police call related to the |        |
|      |         | rupture.                                                      |        |
| 32   | 7:02 pm | M&C Mechanic (Mike Hickey) calls dispatch from the            | 4      |
|      |         | Colma yard.                                                   |        |
| 33   | 7:06 pm | M&C Mechanic (Mike Hickey) calls his temporary                | 6      |
|      |         | Supervisor (Steve Poulo), letting his supervisor know he      |        |
|      |         | is going to isolate the rupture. Supervisor ok's plan.        |        |
| 34   | 7:06 pm | Approximate time two M&C Mechanics (Mike Hickey               | 7      |
|      |         | and Ed Sickinger) leave Colma Yard                            |        |
| 35   | 7:20 pm | Approximate time M&C crew (Mike Hickey and Ed                 | 7      |
|      |         | Sickinger) and SF T&R Supervisor (Chuck Martinez)             |        |
|      |         | arrive at first valve location (V-38.49).                     |        |
| 36   | 7:28 pm | SF T&R Supervisor (Chuck Martinez) requests that Gas          | 5      |
|      |         | Control lower the pressure set points for V-10 & V-13 at      |        |
|      |         | Martin Station to isolate L-132 at Martin Station.            |        |
| 37   | 7:29 pm | Gas Control remotely closes valves V-10 and V-13 at           | 1      |
|      |         | Martin Station, isolating the pipeline north of the rupture.  |        |
| 38   | 7:30 pm | SF T&R Supervisor (Chuck Martinez and 2-man M&C               | 8      |
|      |         | crew (Mike Hickey and Ed Sickinger) close valve V-            |        |
|      |         | 38.49.                                                        |        |
| 39   | 7:30 pm | L-132 rupture is now isolated.                                | 8      |
| 40   | 7:42 pm | In field Superintendant (John Corona) contacts Gas            | 5      |
|      |         | Control to notify that the flames have diminished.            |        |
| 41   | 7:45 pm | SF T&R Supervisor (Chuck Martinez) and 2-man M&C              | 8      |
|      |         | crew (Mike Hickey and Ed Sickinger) close valve V-            |        |
|      |         | 40.05 to maintain gas pressure in L-132 north of the          |        |
|      |         | rupture from MP 40.05 to Martin Station.                      |        |

| Line<br>No. | Time    | Description                                                                                                                                                                                                    | Data<br>Source |
|-------------|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| 42          | 7:46 pm | SF T&R Supervisor (Chuck Martinez) and 2-man M&C crew (Mike Hickey and Ed Sickinger) close valve V-40.05-2.                                                                                                    | 8              |
| 43          | 7:52 pm | SF T&R Supervisor (Chuck Martinez) and 2-man M&C crew (Mike Hickey and Ed Sickinger) close valve to prevent back-feed from District Regulation Station 190 at Glenview Avenue and San Bruno Avenue into L-132. | 8              |

#### **Data Sources**

- 1. Alarm Log (NTSB 003-002)
- 2. Gas Control Instant Message Log (NTSB\_003-002 supplement 1)
- 3. SCADA Logs (pressure data) (NTSB 001-013 supplement 1)
- 4. Concord Dispatch recorded phone calls (NTSB 003-002 supplement 3)
- 5. Gas Control recorded phone calls (NTSB\_003-002 supplement 3)
- 6. Cell phone records (attached)
- 7. Approximate Time
- 8. T&R Mechanics field notes (Mike Hickey) (NTSB 003-002 supplement 1)