We respectfully call your attention to the fact that accident reports and other information or materials that may be submitted as part of a Data Response are provided solely for the confidential use of the Commission and its staff and are not open to public inspection pursuant to Commission Resolution dated February 10, 1970, General Order 66-C and Public Utilities Code sections 315 and 583.

The investigation, review and analyses of this incident are ongoing. Accordingly, this report is based on preliminary information currently available to PG&E and is subject to change depending on further investigation.

Related PG&E Ref. No. EI141107A

CPUC Data Request 2 - Raymond Cho
Request Date: January 13, 2015

Question No. 1:
What is PG&E protocol when a mixed or weak signal is found while locating facilities? Are employees required to mark if a weak signal is found? Provide applicable documented procedure.

Response to Question No. 1: Attachments Submitted
Attached is protocol TD-5811P-103-JA01. This procedure consists of several steps to determine where facilities are. Employees are required to further investigate and note on the USA ticket of weak signals. There is no requirement to mark weak signals.

Response provided by: [redacted] Locate and Mark Supervisor

Question No. 2:
What did PG&E mark at the site? Provide photos from locate and mark prior to the incident.

Response to Question No. 2: Attachments Submitted
PG&E marked the gas main, secondary electric and primary in the joint trench. (Picture attached)

Response provided by: [redacted] Locate and Mark Supervisor

Question No. 3:
What type of locate and mark procedure was the PG&E employee using? Conductive or Inductive?

Response to Question No. 3: Attachments Submitted
He conductively located PG&E utilities and inductively searched the area.

Response provided by: [redacted] Locate and Mark Supervisor

Question No. 4:
Upon permanent restoration, will PG&E meet clearances required by GO 128? If completed, what is the current clearance from other underground services?

Response to Question No. 4: Attachments Submitted
PG&E affected immediate repairs to restore service. The immediate repairs did not meet the clearance requirements. PG&E is considering alternatives to provide the required clearance.

Response provided by: [redacted] Supervisor, Electric M&C

Question No. 5:
What evidence made the PG&E locator believe that all cables were in one trench? Provide documents or images used for this locate and mark.

Response to Question No. 5: Attachments Submitted
Plat map [redacted] (attached) shows joint trench which led the locator to believe all PG&E utilities were installed in the same trench. The map is a schematic to show the general location; See response to question 9.

Response provided by: [redacted] Locate and Mark Supervisor

Question No. 6:
Is [redacted] qualified to locate and mark?

Response to Question No. 6: Attachments Submitted
Yes, He obtained Operator Qualification on 10/10/2013, expires 12/31/2018 (records attached)

Response provided by: [redacted] Locate and Mark Supervisor

Question No. 7:
Was the cable involved, shown on the map used to locate?

Response to Question No. 7: Attachments Submitted
Yes.

Response provided by: [redacted] Locate and Mark Supervisor

Question No. 8:
Did [redacted] locate and mark properly and following all applicable PG&E locate and mark procedures? If no, what protocol did he not follow?

Response to Question No. 8: Attachments Submitted
No. He did not follow procedure TD-5811P-103-JAO1, which has been submitted as an attachment for question 1.

Response provided by: [redacted] Locate and Mark Supervisor

Question No. 9:
How do the maps show that all three cables are under the sidewalk and not in the street? Please explain.

Response to Question No. 9: Attachments Submitted
The maps are schematic showing the general location of the electric cables within the right-of-way, not a precise location (i.e., under the sidewalk).

Response provided by: [redacted] Locate and Mark Supervisor

Question No. 10:
On electric distribution map [redacted] please explain which cables are shown in front of the incident address and in what position in reference to the sidewalk. Explain distances if possible.

Response to Question No. 10: Attachments Submitted
See question 10 attachment.

There is also a correction; the cable is 3-1000A, not 2-1000A. The 200a cable is approximately 8-10ft. from the sidewalk.

Response provided by: [redacted] Supervisor, Public Safety & Regulatory

Question No. 11:
Please provide a scan of distribution map [redacted] (whole map, not a portion) that was used to locate electric facilities. What date was this map last updated?

Response to Question No. 11: Attachments Submitted
See attached map, it was last updated on 12/21/12. Locator also used Plat Map [redacted], also submitted as an attachment for question 5.

Response provided by: [redacted] Supervisor, Public Safety & Regulatory and [redacted] Locate and Mark Supervisor

Question No. 12:
How often does PG&E update maps used for locate and mark?

Response to Question No. 12: Attachments Submitted
Mapping Technicians update maps daily from information received from field crews for newly installed facilities or for changes made to existing facilities. Changes can include replacing, modifying, removing, or abandoning facilities. The updated maps are available for viewing electronically by other departments the next day following a nightly update.

Response provided by: [redacted] Manager, Electric Mapping

Question No. 13:
When was the cut cable installed? When were all cables installed or brought out of service?

Response to Question No. 13: Attachments Submitted
The cut conductor was installed in 1990; it was bored in single phase electric line on Job 4843694 to replace the original line that was installed in 1969. The other conductors; 3-1000A, were installed in 1985 on job 4511242. See attachment.

Response provided by: [redacted] Manager, Electric Mapping

Question No. 14:
Prior to the incident, when was the tool used to mark and locate last calibrated? Provide documentation.

Response to Question No. 14: Attachments Submitted
The locating equipment was calibrated on 10/03/2014 and 11/05/2014. The calibration form is attached.

Response provided by: [redacted] Locate and Mark Supervisor

Question No. 15:
Do PG&E maps show the actual location of underground cables?

Response to Question No. 15: Attachments Submitted
No, the electric distribution maps depict the general location of electric facilities, taken from as-built documentation. This information is provided as a reference and the exact location of facilities should always be verified through field locating activities.

Response provided by: [redacted] Manager, Electric Mapping

Question No. 16:
Is it PG&E's understanding that the cut cable was not on the map used to locate and mark?

Response to Question No. 16: Attachments Submitted
No, initially the map was misread, after further investigation the cut cable was in fact on the map.

Response provided by: [redacted] Locate and Mark Supervisor

Question No. 17:

On the electric distribution map [redacted], what does the 22kV marking in front of the incident address, in parentheses signify?

Response to Question No. 17: Attachments Submitted

The (22kV) represents the voltage rating of the cable.

Response provided by: [redacted] Supervisor, Public Safety & Regulatory