PART A - KEY REPORT INFORMATION

Report Type: (select all that apply)  
Original: Yes  
Supplemental: Yes  
Final: Yes

Last Revision Date:
1. Operator's OPS-issued Operator Identification Number (OPID): 15007
2. Name of Operator: PACIFIC GAS & ELECTRIC CO
3. Address of Operator:
   3a. Street Address: PG&E - GAS OPERATIONS, REGULATORY COMPLIANCE 6111 BOLLINGER CANYON RD.,
   3b. City: SAN RAMON
   3c. State: California
   3d. Zip Code: 94583
4. Local time (24-hr clock) and date of the Incident: 09/09/2011 11:19
5. Location of Incident:
   Latitude: 36.735076
   Longitude: -121.612265
6. National Response Center Report Number (if applicable): 989053
7. Local time (24-hr clock) and date of initial telephonic report to the National Response Center (if applicable): 09/09/2011 13:20
8. Incident resulted from:
   Unintentional release of gas
9. Gas released: (select only one, based on predominant volume released)
   Natural Gas
   - Other Gas Released Name:
10. Estimated volume of commodity released unintentionally - Thousand Cubic Feet (MCF): 1,500.00
11. Estimated volume of intentional and controlled release/blowdown - Thousand Cubic Feet (MCF): 1,500.00
12. Estimated volume of accompanying liquid release (Barrels):
13. Were there fatalities? No
   - If Yes, specify the number in each category:
     13a. Operator employees
     13b. Contractor employees working for the Operator
     13c. Non-Operator emergency responders
     13d. Workers working on the right-of-way, but NOT associated with this Operator
     13e. General public
14. Total fatalities (sum of above)
14. Were there injuries requiring inpatient hospitalization? No
   - If Yes, specify the number in each category:
     14a. Operator employees
     14b. Contractor employees working for the Operator
     14c. Non-Operator emergency responders
     14d. Workers working on the right-of-way, but NOT associated with this Operator
     14e. General public
15. Total injuries (sum of above)
15. Was the pipeline/facility shut down due to the incident? Yes

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15a. Local time and date of shutdown 09/09/2011 13:55
15b. Local time pipeline/facility restarted 09/10/2011 03:00
16. Did the gas ignite? No
17. Did the gas explode? No
18. Number of general public evacuated: 0
19. Time sequence (use local time, 24-hour clock):
   19a. Local time operator identified Incident– effective 10-2014, changed from "Incident" to "failure" 09/09/2011 11:25
   19b. Local time operator resources arrived on site 09/09/2011 11:56

PART B - ADDITIONAL LOCATION INFORMATION

1. Was the origin of the Incident onshore? Yes
   - Yes (Complete Questions 2-12)
   - No (Complete Questions 13-15)

If Onshore:
2. State: California
3. Zip Code: 93901
4. City: Salinas
5. County or Parish: Monterey
6. Operator designated location: Milepost/Valve Station
   Specify: 19.15
7. Pipeline/Facility name: Line 103
8. Segment name/ID:
9. Was Incident on Federal land, other than the Outer Continental Shelf (OCS)? No
10. Location of Incident: Pipeline Right-of-way
   Specify: Underground
   Other – Describe: Under soil
   Depth-of-Cover (in): 20
12. Did Incident occur in a crossing? No
   - If Yes, specify type below:
     - If Bridge crossing –
       Cased/ Uncased:
     - If Railroad crossing –
       Cased/ Uncased/ Bored/drilled
     - If Road crossing –
       Cased/ Uncased/ Bored/drilled
     - If Water crossing –
       Cased/ Uncased
       Name of body of water (If commonly known):
       Approx. water depth (ft) at the point of the Incident:
       Select:
If Offshore:
13. Approx. water depth (ft) at the point of the Incident:
14. Origin of Incident:
   - If "In State waters":
     - State:
     - Area:
     - Block/Tract #:
     - Nearest County/Parish:
   - If "On the Outer Continental Shelf (OCS)"
     - Area:
     - Block #:
15. Area of Incident:

PART C - ADDITIONAL FACILITY INFORMATION
1. Is the pipeline or facility: - Interstate - Intrastate Intrastate
2. Part of system involved in Incident: Onshore Pipeline, Including Valve Sites
3. Item involved in Incident: Pipe
   - If Pipe – Specify: Pipe Body
   3a. Nominal diameter of pipe (in): 12
   3b. Wall thickness (in): .250
<table>
<thead>
<tr>
<th>Question</th>
<th>Answer</th>
</tr>
</thead>
<tbody>
<tr>
<td>3c. SMYS (Specified Minimum Yield Strength) of pipe (psi):</td>
<td>33,000</td>
</tr>
<tr>
<td>3d. Pipe specification:</td>
<td></td>
</tr>
<tr>
<td>3e. Pipe Seam – Specify:</td>
<td>Single SAW</td>
</tr>
<tr>
<td>3f. Pipe manufacturer:</td>
<td></td>
</tr>
<tr>
<td>3g. Year of manufacture:</td>
<td>1930</td>
</tr>
<tr>
<td>3h. Pipeline coating type at point of Incident – Specify:</td>
<td>Asphalt</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>3i. Mainline valve manufacturer:</td>
<td></td>
</tr>
<tr>
<td>3j. Year of manufacture:</td>
<td>1930</td>
</tr>
<tr>
<td>4. Year item involved in incident was installed:</td>
<td>1930</td>
</tr>
<tr>
<td>5. Material involved in Incident:</td>
<td>Carbon Steel</td>
</tr>
<tr>
<td>6. Type of Incident involved:</td>
<td>Mechanical Puncture</td>
</tr>
<tr>
<td>- If Mechanical Puncture – Specify Approx. size:</td>
<td>in. (axial) by 1.00 in. (circumferential) 2.00</td>
</tr>
<tr>
<td>- If Leak - Select Type:</td>
<td></td>
</tr>
<tr>
<td>- If Rupture - Select Orientation:</td>
<td></td>
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</tr>
<tr>
<td>7a. Estimated cost of public and non-Operator private property damage paid/reimbursed by the Operator – effective 6-2011, “paid/reimbursed by the Operator” removed</td>
<td>$ 0</td>
</tr>
<tr>
<td>Estimated cost of gas released unintentionally – effective 6-2011, moved to item 7l</td>
<td></td>
</tr>
<tr>
<td>Estimated cost of gas released during intentional and controlled blowdown – effective 6-2011, moved to item 7g</td>
<td></td>
</tr>
<tr>
<td>7b. Estimated cost of Operator's property damage &amp; repairs</td>
<td>$ 55,000</td>
</tr>
<tr>
<td>7c. Estimated cost of Operator's emergency response</td>
<td>$ 5,000</td>
</tr>
<tr>
<td>7d. Estimated other costs</td>
<td>$ 0</td>
</tr>
<tr>
<td>7e. Property damage subtotal (sum of above)</td>
<td>$ 60,000</td>
</tr>
<tr>
<td>7f. Estimated cost of gas released unintentionally</td>
<td>$ 0</td>
</tr>
<tr>
<td>7g. Estimated cost of gas released during intentional and controlled blowdown</td>
<td>$ 0</td>
</tr>
<tr>
<td>7h. Total estimated cost of gas released (sum of 7.l &amp; 7.g above)</td>
<td>$ 60,000</td>
</tr>
<tr>
<td>Total of all costs</td>
<td>$ 60,000</td>
</tr>
</tbody>
</table>

**PART D - ADDITIONAL CONSEQUENCE INFORMATION**

1. Class Location of Incident: Class 1 Location

2. Did this Incident occur in a High Consequence Area (HCA)? No

3. What is the PIR (Potential Impact Radius) for the location of this Incident? Feet: 155

4. Were any structures outside the PIR impacted or otherwise damaged due to heat/fire resulting from the Incident? No

5. Were any structures outside the PIR impacted or otherwise damaged not by heat/fire resulting from the Incident? No

6. Were any of the fatalities or injuries reported for persons located outside the PIR? No

7. Estimated Property Damage:

   7a. Estimated cost of public and non-Operator private property damage paid/reimbursed by the Operator – effective 6-2011, “paid/reimbursed by the Operator” removed
   $ 0

   7b. Estimated cost of gas released unintentionally – effective 6-2011, moved to item 7l
   Estimated cost of gas released during intentional and controlled blowdown – effective 6-2011, moved to item 7g
   Estimated cost of Operator's property damage & repairs
   $ 55,000

   7c. Estimated cost of Operator's emergency response
   $ 5,000

   7d. Estimated other costs
   $ 0

   7e. Property damage subtotal (sum of above)
   $ 60,000

**Cost of Gas Released**

   7f. Estimated cost of gas released unintentionally
   $ 0

   7g. Estimated cost of gas released during intentional and controlled blowdown
   $ 0

   7h. Total estimated cost of gas released (sum of 7.f & 7.g above)
   $ 60,000

   Total of all costs
   $ 60,000
### PART E - ADDITIONAL OPERATING INFORMATION

<p>| | |</p>
<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>1.</td>
<td>Estimated pressure at the point and time of the Incident (psig):</td>
</tr>
<tr>
<td>2.</td>
<td>Maximum Allowable Operating Pressure (MAOP) at the point and time of the Incident (psig):</td>
</tr>
</tbody>
</table>

**Added 10-2014 2a. MAOP established by 49 CFR section:** Not on OMB-approved form when submitted

- **If Other, specify:**

3. Describe the pressure on the system or facility relating to the Incident: Pressure did not exceed MAOP

4. Not including pressure reductions required by PHMSA regulations (such as for repairs and pipe movement), was the system or facility relating to the Incident operating under an established pressure restriction with pressure limits below those normally allowed by the MAOP?

   - **If Yes - (Complete 4a and 4b below)**
     - 4a. Did the pressure exceed this established pressure restriction? No
     - 4b. Was this pressure restriction mandated by PHMSA or the State?

5. Was "Onshore Pipeline, Including Valve Sites" OR "Offshore Pipeline, Including Riser and Riser Bend" selected in PART C, Question 2?

   - **If Yes - (Complete 5a. – 5e. below):**
     - 5a. Type of upstream valve used to initially isolate release source: Manual
     - 5b. Type of downstream valve used to initially isolate release source: Manual
     - 5c. Length of segment isolated between valves (ft): 1,850
     - 5d. Is the pipeline configured to accommodate internal inspection tools? No
     - **If No – Which physical features limit tool accommodation? (select all that apply)**
       - Changes in line pipe diameter
       - Presence of unsuitable mainline valves Yes
       - Tight or mitered pipe bends
       - Other passage restrictions (i.e. unbarred tee's, projecting instrumentation, etc.) Yes
       - Extra thick pipe wall (applicable only for magnetic flux leakage internal inspection tool(s)
       - Other
       - **If Other, Describe:**

5e. For this pipeline, are there operational factors which significantly complicate the execution of an internal inspection tool run? No

   - **If Yes, which operational factors complicate execution? (select all that apply)**
     - Excessive debris or scale, wax, or other wall build-up
     - Low operating pressure(s)
     - Low flow or absence of flow
     - Incompatible commodity
     - Other
     - **If Other, Describe:**

6. Was a Supervisory Control and Data Acquisition (SCADA)-based system in place on the pipeline or facility involved in the Incident?

   - **If Yes:**
     - 6a. Was it operating at the time of the Incident? Yes
     - 6b. Was it fully functional at the time of the Incident? Yes
     - 6c. Did SCADA-based information (such as alarm(s), alert(s), event(s), and/or volume or pack calculations) assist with the detection of the Incident? Yes
     - 6d. Did SCADA-based information (such as alarm(s), alert(s), event(s), and/or volume calculations) assist with the confirmation of the Incident? Yes

7. How was the Incident initially identified for the Operator?

   - **If Other – Describe:**

7a. If "Controller", "Local Operating Personnel, including contractors", "Air Patrol", or "Ground Patrol by Operator or its contractor" is selected in Question 7, specify:

   - **If Other, Specify:**

8. Was an investigation initiated into whether or not the controller(s) or control room issues were the cause of or a contributing factor to the Incident?

   - **If No, the Operator did not find that an investigation of the controller(s) actions or control room issues was necessary due to:**

   - **Other**
- If No, the operator did not find that an investigation of the controller(s) actions or control room issues was necessary due to: (provide an explanation for why the operator did not investigate)

- If Yes, Describe investigation result(s) (select all that apply):

<table>
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<tr>
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<tbody>
<tr>
<td>---</td>
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</tr>
<tr>
<td>-</td>
<td>Investigation reviewed work schedule rotations, continuous hours of service (while working for the operator), and other factors associated with fatigue</td>
</tr>
<tr>
<td>-</td>
<td>Investigation did NOT review work schedule rotations, continuous hours of service (while working for the Operator) and other factors associated with fatigue</td>
</tr>
</tbody>
</table>

- Provide an explanation for why not:

<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>-</td>
<td>Investigation identified no control room issues</td>
</tr>
<tr>
<td>-</td>
<td>Investigation identified no controller issues</td>
</tr>
<tr>
<td>-</td>
<td>Investigation identified incorrect controller action or controller error</td>
</tr>
<tr>
<td>-</td>
<td>Investigation identified that fatigue may have affected the controller(s) involved or impacted the involved controller(s) response</td>
</tr>
<tr>
<td>-</td>
<td>Investigation identified incorrect procedures</td>
</tr>
<tr>
<td>-</td>
<td>Investigation identified incorrect control room equipment operation</td>
</tr>
<tr>
<td>-</td>
<td>Investigation identified maintenance activities that affected control room operations, procedures, and/or controller response</td>
</tr>
<tr>
<td>-</td>
<td>Investigation identified areas other than those above – Describe:</td>
</tr>
</tbody>
</table>

**PART F - DRUG & ALCOHOL TESTING INFORMATION**

1. As a result of this Incident, were any Operator employees tested under the post-accident drug and alcohol testing requirements of DOT’s Drug & Alcohol Testing regulations?

   - No

   - If Yes:
     1a. How many were tested:
     1b. How many failed:

2. As a result of this Incident, were any Operator contractor employees tested under the post-accident drug and alcohol testing requirements of DOT’s Drug & Alcohol Testing regulations?

   - No

   - If Yes:
     2a. How many were tested:
     2b. How many failed:

**PART G - APPARENT CAUSE**

Select only one box from PART G in the shaded column on the left representing the APPARENT Cause of the Incident, and answer the questions on the right. Describe secondary, contributing, or root causes of the Incident in the narrative (PART H).

| Apparent Cause: | G3 - Excavation Damage |

**G1 - Corrosion Failure** - only one sub-cause can be picked from shaded left-hand column

Corrosion Failure – Sub-cause:

- If External Corrosion:

  1. Results of visual examination:

  - If Other, Describe:

  2. Type of corrosion: (select all that apply)

   - Galvanic
   - Atmospheric
   - Stray Current
   - Microbiological
   - Selective Seam
   - Other

  - If Other – Describe:

  3. The type(s) of corrosion selected in Question 2 is based on the following: (select all that apply)

   - Field examination
   - Determined by metallurgical analysis
   - Other

  - If Other – Describe:

  4. Was the failed item buried under the ground?
4a. Was failed item considered to be under cathodic protection at the time of the incident?
   - If Yes, Year protection started:

4b. Was shielding, tenting, or disbonding of coating evident at the point of the incident?

4c. Has one or more Cathodic Protection Survey been conducted at the point of the incident?
   - If “Yes, CP Annual Survey” – Most recent year conducted:
   - If “Yes, Close Interval Survey” – Most recent year conducted:
   - If “Yes, Other CP Survey” – Most recent year conducted:

4d. Was the failed item externally coated or painted?

5. Was there observable damage to the coating or paint in the vicinity of the corrosion?

   - If Internal Corrosion:
5. Results of visual examination:
   - If Other, Describe:

7. Cause of corrosion (select all that apply):
   - Corrosive Commodity
   - Water drop-out/Acid
   - Microbiological
   - Erosion
   - Other
   - If Other, Describe:

8. The cause(s) of corrosion selected in Question 7 is based on the following (select all that apply):
   - Field examination
   - Determined by metallurgical analysis
   - Other
   - If Other, Describe:

9. Location of corrosion (select all that apply):
   - Low point in pipe
   - Elbow
   - Drop-out
   - Other
   - If Other, Describe:

10. Was the gas/fluid treated with corrosion inhibitors or biocides?
11. Was the interior coated or lined with protective coating?
12. Were cleaning/dewatering pigs (or other operations) routinely utilized?
13. Were corrosion coupons routinely utilized?

**Complete the following if any Corrosion Failure sub-cause is selected AND the “Item Involved in Incident” (from PART C, Question 3) is Pipe or Weld.**

14. Has one or more internal inspection tool collected data at the point of the Incident?
   - If Yes, for each tool used, select type of internal inspection tool and indicate most recent year run:
     - Magnetic Flux Leakage Tool
     - Most recent year run:
     - Ultrasonic
     - Most recent year run:
     - Geometry
     - Most recent year run:
     - Caliper
     - Most recent year run:
     - Crack
     - Most recent year run:
     - Hard Spot
     - Most recent year run:
     - Combination Tool
     - Most recent year run:
     - Transverse Field/Triaxial
     - Most recent year run:
     - Other
     - Most recent year run:
     - If Other, Describe:

15. Has one or more hydrotest or other pressure test been conducted since original construction at the point of the Incident?
   - If Yes,
16. Has one or more Direct Assessment been conducted on this segment?
   - If Yes, and an investigative dig was conducted at the point of the Incident:
     Most recent year conducted:
   - If Yes, but the point of the Incident was not identified as a dig site:
     Most recent year conducted:

17. Has one or more non-destructive examination been conducted at the point of the Incident since January 1, 2002?
   17a. If Yes, for each examination conducted since January 1, 2002, select type of non-destructive examination and indicate most recent year the examination was conducted:
     - Radiography
     - Guided Wave Ultrasonic
     - Handheld Ultrasonic Tool
     - Wet Magnetic Particle Test
     - Dry Magnetic Particle Test
     - Other
     Most recent year examined:
     If Other, Describe:

G2 - Natural Force Damage  *only one sub-cause can be picked from shaded left-handed column*

Natural Force Damage – Sub-Cause:

- If Earth Movement, NOT due to Heavy Rains/Floods:
  1. Specify:
  - If Other, Describe:
- If Heavy Rains/Floods:
  2. Specify:
  - If Other, Describe:
- If Lightning:
  3. Specify:
- If Temperature:
  4. Specify:
  - If Other, Describe:
- If Other Natural Force Damage:
  5. Describe:

Complete the following if any Natural Force Damage sub-cause is selected.

6. Were the natural forces causing the Incident generated in conjunction with an extreme weather event?
   6a. If yes, specify: *(select all that apply)*:
     - Hurricane
     - Tropical Storm
     - Tornado
     - Other
     - If Other, Describe:

G3 - Excavation Damage  *only one sub-cause can be picked from shaded left-hand column*

Excavation Damage – Sub-Cause:  Excavation Damage by Third Party

- If Previous Damage Due to Excavation Activity: Complete Questions 1-5 ONLY IF the "Item Involved in Incident" (From Part C, Question 3) is Pipe or Weld.

1. Has one or more internal inspection tool collected data at the point of the Incident?
   1a. If Yes, for each tool used, select type of internal inspection tool and indicate most recent year run:
      - Magnetic Flux Leakage
      Year:
      - Ultrasonic
      Year:
      - Geometry
      Year:
      - Caliper

2. Do you have reason to believe that the internal inspection was completed BEFORE the damage was sustained?

3. Has one or more hydrotest or other pressure test been conducted since original construction at the point of the Incident?
   - If Yes:
     Most recent year tested:
     Test pressure (psig):

4. Has one or more Direct Assessment been conducted on the pipeline segment?
   - If Yes, and an investigative dig was conducted at the point of the Incident:
     Most recent year conducted:
   - If Yes, but the point of the Incident was not identified as a dig site:
     Most recent year conducted:

5. Has one or more non-destructive examination been conducted at the point of the Incident since January 1, 2002?
   5a. If Yes, for each examination conducted since January 1, 2002, select type of non-destructive examination and indicate most recent year the examination was conducted:
     - Radiography
     Year:
     - Guided Wave Ultrasonic
     Year:
     - Handheld Ultrasonic Tool
     Year:
     - Wet Magnetic Particle Test
     Year:
     - Dry Magnetic Particle Test
     Year:
     - Other
     Year:
     Describe:

Complete the following if Excavation Damage by Third Party is selected as the sub-cause.

6. Did the operator get prior notification of the excavation activity? No
   6a. If Yes, Notification received from (select all that apply):
     - One-Call System
     - Excavator
     - Contractor
     - Landowner

Complete the following mandatory CGA-DIRT Program questions if any Excavation Damage sub-cause is selected.

7. Do you want PHMSA to upload the following information to CGA-DIRT (www.cga-dirt.com)? No
8. Right-of-Way where event occurred (select all that apply):
   - Public
     - If Public, Specify: Yes
   - Private
     - If Private, Specify: Private Business
   - Pipeline Property/Easement
   - Power/Transmission Line
   - Railroad
   - Dedicated Public Utility Easement
   - Federal Land
   - Data not collected
   - Unknown/Other

9. Type of excavator: Farmer
10. Type of excavation equipment: Farm Equipment
11. Type of work performed: Agriculture
12. Was the One-Call Center notified? - Yes - No No
12a. If Yes, specify ticket number: 

12b. If this is a State where more than a single One-Call Center exists, list the name of the One-Call Center notified:  

13. Type of Locator:  

14. Were facility locate marks visible in the area of excavation? Yes  

15. Were facilities marked correctly? Yes  

16. Did the damage cause an interruption in service? Yes  

16a. If Yes, specify duration of the interruption: (hours) 24  

17. Description of the CGA-DIRT Root Cause (select only the one predominant first level CGA-DIRT Root Cause and then, where available as a choice, then one predominant second level CGA-DIRT Root Cause as well):

<table>
<thead>
<tr>
<th>Predominant first level CGA-DIRT Root Cause</th>
<th>One-Call Notification Practices Not Sufficient</th>
</tr>
</thead>
<tbody>
<tr>
<td>If One-Call Notification Practices Not Sufficient, Specify:</td>
<td>No notification made to the One-Call Center</td>
</tr>
<tr>
<td>If Locating Practices Not Sufficient, Specify:</td>
<td></td>
</tr>
<tr>
<td>If Excavation Practices Not Sufficient, Specify:</td>
<td></td>
</tr>
<tr>
<td>If Other/None of the Above, Explain:</td>
<td></td>
</tr>
</tbody>
</table>

G4 - Other Outside Force Damage - only one sub-cause can be selected from the shaded left-hand column  

Other Outside Force Damage – Sub-Cause:  

- If Damage by Car, Truck, or Other Motorized Vehicle/Equipment NOT Engaged in Excavation:  

1. Vehicle/Equipment operated by:  

- If Damage by Boats, Barges, Drilling Rigs, or Other Maritime Equipment or Vessels Set Adrift or Which Have Otherwise Lost Their Mooring:  

2. Select one or more of the following IF an extreme weather event was a factor:  

- Hurricane  
- Tropical Storm  
- Tornado  
- Heavy Rains/Flood  
- Other  
- If Other, Describe:  

- If Previous Mechanical Damage NOT Related to Excavation: Complete Questions 3-7 ONLY IF the "Item Involved in Incident" (from PART C, Question 3) is Pipe or Weld.  

3. Has one or more internal inspection tool collected data at the point of the Incident?  

3a. If Yes, for each tool used, select type of internal inspection tool and indicate most recent year run:  

- Magnetic Flux Leakage  
  Most recent year run:  
- Ultrasonic  
  Most recent year run:  
- Geometry  
  Most recent year run:  
- Caliper  
  Most recent year run:  
- Crack  
  Most recent year run:  
- Hard Spot  
  Most recent year run:  
- Combination Tool  
  Most recent year run:  
- Transverse Field/Triaxial  
  Most recent year run:  
- Other:  
  Most recent year run:  
  Describe:  

4. Do you have reason to believe that the internal inspection was completed BEFORE the damage was sustained?  

5. Has one or more hydrotest or other pressure test been conducted since original construction at the point of the Incident?  

- If Yes:  
  Most recent year tested:  
  Test pressure (psig):  

6. Has one or more Direct Assessment been conducted on the pipeline segment?  

- If Yes, and an investigative dig was conducted at the point of the Incident:
7. Has one or more non-destructive examination been conducted at the point of the Incident since January 1, 2002?

7a. If Yes, for each examination conducted since January 1, 2002, select type of non-destructive examination and indicate most recent year the examination was conducted:

<table>
<thead>
<tr>
<th>Examination Type</th>
<th>Most recent year conducted</th>
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</thead>
<tbody>
<tr>
<td>Radiography</td>
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<tr>
<td>Guided Wave Ultrasonic</td>
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<tr>
<td>Handheld Ultrasonic Tool</td>
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<tr>
<td>Wet Magnetic Particle Test</td>
<td></td>
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<tr>
<td>Dry Magnetic Particle Test</td>
<td></td>
</tr>
<tr>
<td>Other</td>
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</tbody>
</table>

- If Intentional Damage:

8. Specify:

- If Other, Describe:

- If Other Outside Force Damage:

9. Describe:

G5 - Pipe, Weld, or Joint Failure

Use this section to report material failures ONLY IF the "Item Involved in Incident" (from PART C, Question 3) is "Pipe" or "Weld."

Only one sub-cause can be selected from the shaded left-hand column

Pipe, Weld or Join Failure – Sub-Cause:

1. The sub-cause shown above is based on the following (select all that apply):

- Field Examination
- Determined by Metallurgical Analysis
- Other Analysis

- If "Other Analysis", Describe

- Sub-cause is Tentative or Suspected; Still Under Investigation (Supplemental Report required)

- If Construction-, Installation- or Fabrication

2. List contributing factors: (select all that apply)

- Fatigue or Vibration related:
- Mechanical Stress
- Other

- If Other, Describe:

- If Environmental Cracking-related:

3. Specify:

- If Other, Describe:

Complete the following if any Material Failure of Pipe or Weld sub-cause is selected.

4. Additional Factors (select all that apply):

- Dent
- Gouge
- Pipe Bend
- Arc Burn
- Crack
- Lack of Fusion
- Lamination
- Buckle
- Wrinkle
- Misalignment
- Burnt Steel
- Other

- If Other, Describe:

5. Has one or more internal inspection tool collected data at the point of
<table>
<thead>
<tr>
<th>Incident?</th>
<th>5a. If Yes, for each tool used, select type of internal inspection tool and indicate most recent year run:</th>
</tr>
</thead>
<tbody>
<tr>
<td>- Magnetic Flux Leakage</td>
<td>Most recent year run:</td>
</tr>
<tr>
<td>- Ultrasonic</td>
<td>Most recent year run:</td>
</tr>
<tr>
<td>- Geometry</td>
<td>Most recent year run:</td>
</tr>
<tr>
<td>- Caliper</td>
<td>Most recent year run:</td>
</tr>
<tr>
<td>- Crack</td>
<td>Most recent year run:</td>
</tr>
<tr>
<td>- Hard Spot</td>
<td>Most recent year run:</td>
</tr>
<tr>
<td>- Combination Tool</td>
<td>Most recent year run:</td>
</tr>
<tr>
<td>- Transverse Field/Triaxial</td>
<td>Most recent year run:</td>
</tr>
<tr>
<td>- Other</td>
<td>Most recent year run:</td>
</tr>
</tbody>
</table>

Describe:

6. Has one or more hydrotest or other pressure test been conducted since original construction at the point of the Incident?

<table>
<thead>
<tr>
<th>- If Yes:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Most recent year tested:</td>
<td></td>
</tr>
<tr>
<td>Test pressure (psig):</td>
<td></td>
</tr>
</tbody>
</table>

7. Has one or more Direct Assessment been conducted on the pipeline segment?

| - If Yes, and an investigative dig was conducted at the point of the Incident: | |
| Most recent year conducted: | |
| - If Yes, but the point of the Incident was not identified as a dig site: | |
| Most recent year conducted: | |

8. Has one or more non-destructive examination(s) been conducted at the point of the Incident since January 1, 2002?

8a. If Yes, for each examination conducted since January 1, 2002, select type of non-destructive examination and indicate most recent year the examination was conducted:

| - Radiography | Most recent year conducted: |
| - Guided Wave Ultrasonic | Most recent year conducted: |
| - Handheld Ultrasonic Tool | Most recent year conducted: |
| - Wet Magnetic Particle Test | Most recent year conducted: |
| - Dry Magnetic Particle Test | Most recent year conducted: |
| - Other | Most recent year conducted: |

Describe: G6 - Equipment Failure - only one sub-cause can be selected from the shaded left-hand column

Equipment Failure – Sub-Cause:

- If Malfunction of Control/Relief Equipment:

1. Specify:

| - Control Valve | |
| - Instrumentation | |
| - SCADA | |
| - Communications | |
| - Block Valve | |
| - Check Valve | |
| - Relief Valve | |
| - Power Failure | |
- Stopple/Control Fitting
- Pressure Regulator
- ESD System Failure
- Other
  - If Other, Describe:

- If Compressor or Compressor-related Equipment:
  2. Specify:
  - If Other, Describe:

- If Threaded Connection/Coupling Failure:
  3. Specify:
  - If Other, Describe:

- If Non-threaded Connection Failure:
  4. Specify:
  - If Other, Describe:

- If Other Equipment Failure:
  5. Describe:

Complete the following if any Equipment Failure sub-cause is selected.

6. Additional factors that contributed to the equipment failure (select all that apply)
  - Excessive vibration
  - Overpressurization
  - No support or loss of support
  - Manufacturing defect
  - Loss of electricity
  - Improper installation
  - Mismatched items (different manufacturer for tubing and tubing fittings)
  - Dissimilar metals
  - Breakdown of soft goods due to compatibility issues with transported gas/liquid
  - Valve vault or valve can contributed to the release
  - Alarm/status failure
  - Misalignment
  - Thermal stress
  - Other
  - If Other, Describe:

G7 – Incorrect Operation - only one sub-cause can be selected from the shaded left-hand column

Incorrect Operation – Sub-Cause:
- If Underground Gas Storage, Pressure Vessel, or Cavern Allowed or Caused to Overpressure:
  1. Specify:
  - If Other, Describe:

- If Other Incorrect Operation:
  2. Describe:

Complete the following if any Incorrect Operation sub-cause is selected.

3. Was this incident related to: (select all that apply)
  - Inadequate procedure
  - No procedure established
  - Failure to follow procedure
  - Other:
  - If Other, Describe:

4. What category type was the activity that caused the incident:

5. Was the task(s) that led to the incident identified as a covered task in your Operator Qualification Program?
  5a. If Yes, were the individuals performing the task(s) qualified for the task(s)?

G8 - Other Incident Cause - only one sub-cause can be selected from the shaded left-hand column

Other Incident Cause – Sub-Cause:
- If Miscellaneous:
  1. Describe:
- If Unknown:
On September 9, 2011 at approximately 11:19 hours a farmer, MKM Farms, ripping an agriculture field struck Line 103, a 12-inch steel transmission pipeline, at Mile Point 19.15 resulting in a release of gas. PG&E was notified at 11:25, and was on scene at 11:56 hours. PG&E closed mainline valves at 13:55 and the isolated pipeline section was depressurized at 16:33 hours. Service was interrupted to 39 customers as a result of this dig-in. Repairs were completed at 03:00 hours on 9/10/11 and final service restoration was completed at 13:30 hours on September 10, 2011. The farmer did not call USA but was aware of the location of the pipeline. Pipeline markers were visible at the site of the dig-in, and the farmer had made a line in the field from pipeline marker to marker prior to the start of ripping the field. There was no ignition, injuries or fatalities as a result of this incident. Damages exceed $50,000 making this incident reportable to the CPUC and DOT.