May 10, 2013

Mr. David Lykken
Director, Pipeline Safety
Washington Utilities and Transportation Commission
1300 S. Evergreen Park Dr. SW
PO Box 47250
Olympia, WA 98504-7250

Re: Gas Incident Report of 4-12-2013 at 1118 E. Bridgeport Ave., Spokane, WA

Dear Mr. Lykken:

This addresses the telephonic notification made by Jody Morehouse to Lex Vinsel of the UTC at 09:52 on April 12, 2013 concerning the natural gas incident at 1118 E. Bridgeport Ave, Spokane, Washington, Spokane County.

At approximately 08:03 on April 12, 2013, Avista was notified of an incident at this location involving a release and ignition of natural gas. A contractor installing a sewer line at this residence dug into a ¾” PE service pipe with a mini backhoe, severing the pipe. The gas service was operating at approximately 55 psig with an MAOP of 60 psig. The released gas caught fire from the backhoe. The excavation was less than 10 feet from the residential house at this address and the house also caught fire.

Avista dispatched a first responder at 08:10 who arrived at the site by 08:25. Emergency fire personnel were already on site and had evacuated the structure and were proceeding to extinguish the fire. Avista’s gas first responder remotely dug up the service and squeezed the pipe, stopping the flow of gas by 08:45. An Avista gas crew arrived at 08:58 to complete repairs to the gas system. The repairs included cutting off the pipe and capping it until a later date when the service can be placed back in service. Repairs were completed by 12:40 the same day.

The contractor, H&S Construction, had a valid locate ticket, #13081658, but locate marks were not visible by investigators at the scene. The above ground gas meter was visible to the contractor and was less than 10 feet from the point of damage. The root cause of the incident is still under investigation at this time.
Total damages excluding gas loss are estimated at $147,300. The gas loss was estimated at $99 and the amount of gas released was estimated at 39 MCFH. Damages to the structure and excavator are estimated at $105,000. Rental excavation equipment by the contractor is estimated at $40,000. Other damage costs to Avista are estimated at $2,300.

No injuries resulted from the incident. Media was also present at the scene.

This is a reportable incident to the Washington UTC and to PHMSA due to fact that there was a release of gas and damages exceeded $50,000. A PHMSA report number 1043770 was filed on May 9, 2013 and a copy is included with this report.

If you have any further questions, please contact me at 509-495-2760.

Respectfully yours,

Jody Morschus
Manager, Pipeline Integrity and Compliance

Enclosure

cc: Rand Chandler, Avista
    Gas Correspondence File
**INFORMATION REPORT - GAS DISTRIBUTION SYSTEM**

A federal agency may not condone or sponsor, and a person is not required to respond to, nor shall a person be subject to a penalty for failure to comply with a collection of information subject to the requirements of the Paperwork Reduction Act unless that collection of information displays a current valid OMB Control Number. The OMB Control Number for this information collection is 2137-0522. Public reporting for this collection of information is estimated to be approximately 10 hours per response, including the time for reviewing instructions, gathering the data needed, and completing and reviewing the collection of information. All responses to this collection of information are mandatory. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Information Collection Clearance Officer, PHMSA, Office of Pipeline Safety (PHS-20) 1220 New Jersey Avenue, SE, Washington, D.C. 20590.

**INSTRUCTIONS**

**Important:** Please read the separate instructions for completing this form before you begin. They clarify the information requested and provide specific examples. If you do not have a copy of the instructions, you can obtain one from the PHMSA Pipeline Safety Community Web Page at [http://www.phmsa.dot.gov/pipeline](http://www.phmsa.dot.gov/pipeline).

**PART A - KEY REPORT INFORMATION**

<table>
<thead>
<tr>
<th>Report Type: (select all that apply)</th>
<th>Original:</th>
<th>Supplemental:</th>
<th>Final:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Last Revision Date</td>
<td>Yes</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1. Operator's OPS-Issued Operator Identification Number (OPID): 31232

2. Name of Operator: AVISTA CORP

3. Address of Operator:
   3a. Street Address: 1411 East Mission
   3b. City: Spokane
   3c. State: Washington
   3d. Zip Code: 99220

4. Local time (24-hr clock) and date of the Incident: 04/12/2013 08:03

5. Location of Incident:
   5a. Street Address or location description: 1118 E. Bridgeport Ave
   5b. City: Spokane
   5c. County or Parish: Spokane
   5d. State: Washington
   5e. Zip Code: 99207-2611
   5f. Latitude: 47.68620996
   Longitude: -117.3931186


7. Local time (24-hr clock) and date of initial telephonic report to the National Response Center: 04/12/2013 11:26

8. Incident resulted from: Unintentional release of gas

9. Gas released: Natural Gas

- Other Gas Released Name: 


11. Were there fatalities? No
- If Yes, specify the number in each category:
  11a. Operator employees
  11b. Contractor employees working for the Operator
  11c. Non-Operator emergency responders
  11d. Workers working on the right-of-way, but NOT associated with this Operator
  11e. General public
  11f. Total fatalities (sum of above)

12. Were there injuries requiring inpatient hospitalization? No
- If Yes, specify the number in each category:
  12a. Operator employees
  12b. Contractor employees working for the Operator
  12c. Non-Operator emergency responders
  12d. Workers working on the right-of-way, but NOT associated with this Operator
  12e. General public
  12f. Total injuries (sum of above)

13. Was the pipeline/facility shut down due to the incident? Yes
- If No, Explain: 

Form PHMSA F 7100.1 (Rev. 06-2011)
- If Yes, complete Questions 13a and 13b: (use local time, 24-hr clock)
  13a. Local time and date of shutdown: 04/12/2013 08:45
  13b. Local time pipeline/facility restarted: 04/12/2013 12:40
- Still shut down? * (Supplemental Report Required)
  14. Did the gas ignite? Yes
  15. Did the gas explode? No
  16. Number of general public evacuated: 1
  17. Time sequence (use local time, 24-hour clock):
  17a. Local time operator identified incident: 04/12/2013 08:03
  17b. Local time operator resources arrived on site: 04/12/2013 08:25

PART B - ADDITIONAL LOCATION INFORMATION

1. Was the incident on Federal land? No
2. Location of incident Private property
3. Area of incident Underground
   Specify: Exposed due to excavation
   If Other, Describe: Depth of cover: 2B

4. Did incident occur in a crossing?
   - 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):

PART C - ADDITIONAL FACILITY INFORMATION

1. Indicate the type of pipeline system: Natural Gas Distribution, privately owned
   - If Other, specify:

2. Part of system involved in incident: Service
   - If Other, specify:
   2a. Year "Part of system involved in Incident" was installed: 2005

3. When "Main" or "Services" is selected as the "Part of system involved in Incident" (from PART C, Question 2), provide the following:
   3a. Nominal diameter of pipe (in): .75
   3b. Pipe specification e.g., API 5L, ASTM D2513: ASTM D2513

3c. Pipe manufacturer: Driscoplex
   Unknown?

3d. Year of manufacture: 2005
   Unknown?

4. Material involved in incident: Plastic
   - If Other, specify:
   4a. If Steel, Specify seam type: None/Unknown?

4b. If Steel, Specify wall thickness (inches):
   Unknown?

4c. If Plastic, Specify type:
   - If Other, describe:
   4d. If Plastic, Specify Standard Dimension Ratio (SDR):
   11
   Or wall thickness: Unknown?

4e. If Polyethylene (PE) is selected as the type of plastic in Part C, Question 4c:
   - Specify PE Pipe Material Designation Code (i.e. 2406, 3408, etc.):
   2406
   Unknown?

5. Type of release involved:
   - If Mechanical Puncture - Specify Approx size:
     Approx. size: in. (axial):
     in. (circumferential):
   - If Leak - Select Type:
     - If Other, Describe:
<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td><strong>PART D - ADDITIONAL CONSEQUENCE INFORMATION</strong></td>
<td></td>
</tr>
<tr>
<td><strong>1. Class Location of Incident:</strong></td>
<td><strong>Class 3 Location</strong></td>
</tr>
<tr>
<td><strong>2. Estimated Property Damage:</strong></td>
<td></td>
</tr>
<tr>
<td>2a. Estimated cost of public and non-operator private property damage</td>
<td>$105,000</td>
</tr>
<tr>
<td>2b. Estimated cost of operator's property damage &amp; repairs</td>
<td>$15,000</td>
</tr>
<tr>
<td>2c. Estimated cost of operator's emergency response</td>
<td>$350</td>
</tr>
<tr>
<td>2d. Estimated other costs</td>
<td>$40,000</td>
</tr>
<tr>
<td>- <strong>Describe:</strong></td>
<td>cost of rented excavation equipment</td>
</tr>
<tr>
<td>2e. Total estimated property damage (sum of above)</td>
<td>$147,250</td>
</tr>
<tr>
<td><strong>Cost of Gas Released</strong></td>
<td></td>
</tr>
<tr>
<td>2f. Estimated cost of gas released</td>
<td>$99</td>
</tr>
<tr>
<td><strong>3. Estimated number of customers out of service:</strong></td>
<td></td>
</tr>
<tr>
<td>3a. Commercial entities</td>
<td>0</td>
</tr>
<tr>
<td>3b. Industrial entities</td>
<td>0</td>
</tr>
<tr>
<td>3c. Residences</td>
<td>1</td>
</tr>
<tr>
<td><strong>PART E - ADDITIONAL OPERATING INFORMATION</strong></td>
<td></td>
</tr>
<tr>
<td><strong>1. Estimated pressure at the point and time of the incident (psig):</strong></td>
<td>55.00</td>
</tr>
<tr>
<td><strong>2. Normal operating pressure at the point and time of the incident (psig):</strong></td>
<td>55.00</td>
</tr>
<tr>
<td><strong>3. Maximum Allowable Operating Pressure (MAOP) at the point and time of the incident (psig):</strong></td>
<td>60.00</td>
</tr>
<tr>
<td><strong>4. Describe the pressure on the system relating to the incident:</strong></td>
<td>Pressure did not exceed MAOP</td>
</tr>
<tr>
<td><strong>5. Was a Supervisory Control and Data Acquisition (SCADA) based system in place on the pipeline or facility involved in the incident?</strong></td>
<td>Yes</td>
</tr>
<tr>
<td>- <strong>If Yes:</strong></td>
<td></td>
</tr>
<tr>
<td>5a. Was it operating at the time of the incident?</td>
<td>Yes</td>
</tr>
<tr>
<td>5b. Was it fully functional at the time of the incident?</td>
<td>Yes</td>
</tr>
<tr>
<td>5c. 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?</td>
<td>No</td>
</tr>
<tr>
<td>5d. Did SCADA-based information (such as alarm(s), alert(s), event(s), and/or volume calculations) assist with the confirmation of the incident?</td>
<td>No</td>
</tr>
<tr>
<td><strong>6. How was the incident initially identified for the Operator?</strong></td>
<td>Notification from Emergency Responder</td>
</tr>
<tr>
<td>- <strong>If Other, Specify:</strong></td>
<td></td>
</tr>
<tr>
<td><strong>7. 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?</strong></td>
<td>Yes, but the investigation of the control room and/or controller actions has not yet been completed by the operator (Supplemental Report Required)</td>
</tr>
<tr>
<td>- <strong>If No, the operator did not find that an investigation of the controller(s) actions or control room issues was necessary due to:</strong> (provide an explanation for why the operator did not investigate)</td>
<td></td>
</tr>
<tr>
<td>- <strong>If Yes, Specify investigation result(s) (select all that apply):</strong></td>
<td></td>
</tr>
<tr>
<td>- Investigation reviewed work schedule rotations, continuous hours of service (while working for the operator), and other factors associated with fatigue</td>
<td></td>
</tr>
<tr>
<td>- Investigation did NOT review work schedule rotations, continuous hours of service (while working for the Operator), and other factors associated with fatigue</td>
<td></td>
</tr>
<tr>
<td>- Provide an explanation for why not:</td>
<td></td>
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<tr>
<td>- Investigation identified no control room issues</td>
<td></td>
</tr>
<tr>
<td>- Investigation identified no controller issues</td>
<td></td>
</tr>
<tr>
<td>- Investigation identified incorrect controller action or controller error</td>
<td></td>
</tr>
<tr>
<td>- Investigation identified that fatigue may have affected the controller(s) involved or impacted the involved controller(s) response</td>
<td></td>
</tr>
<tr>
<td>- Investigation identified incorrect procedures</td>
<td></td>
</tr>
<tr>
<td>- Investigation identified incorrect control room equipment operation</td>
<td></td>
</tr>
</tbody>
</table>

Form PHMSA F 7100.1 (Rev. 06-2011)
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?
   - If Yes:
     1a. Specify how many were tested:
     1b. Specify how many failed:
   - If No:

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?
   - If Yes:
     2a. Specify how many were tested:
     2b. Specify how many failed:
   - If No:

PART G - CAUSE INFORMATION

Select only one box from PART G in shaded column on 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, Specify:
  2. Type of corrosion:
     - 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:
     - Field examination
     - Determined by metallurgical analysis
     - Other
     - If Other, Describe:
  4. Was the failed item buried under the ground?
     - If Yes:
       4a. Was failed item considered to be under cathodic protection at the time of the incident?
         - If Yes, Yes protection started:
         4b. Was shielding, touting, 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:
     - If No:
       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?
  6. Pipeline coating type, if steel pipe is involved:
    - If Internal Corrosion:
    - If Other, Describe:
  7. Results of visual examination:
    - If Other, Describe:
  8. Cause of corrosion (select all that apply):
    - Corrosive Commodity
<table>
<thead>
<tr>
<th>Water drop-out/acid</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Microbiological</td>
<td></td>
</tr>
<tr>
<td>Erosion</td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td></td>
</tr>
</tbody>
</table>

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

10. Location of corrosion (select all that apply):
   - Low point in pipe
   - Fitters
   - Drop-out
   - Other

11. Was the gas/liquid treated with corrosion inhibitor or biocides?
12. Were any liquids found in the distribution system where the Incident occurred?

Complete the following if any Corrosion Failure sub-cause is selected AND the "Part of system involved in incident" (from PART C, Question 2) is Main, Service, or Service Riser.

13. Date of the most recent Leak Survey conducted
14. Has one or more pressure test been conducted since original construction at the point of the Incident?
   - If Yes:
     Most recent year tested:
     Test pressure:

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, Specify:
- If Heavy Rains/Floods:
  2. Specify:
     - If Other, Specify:
- If Lightning:
  3. Specify:
- If Temperature:
  4. Specify:
     - If Other, Specify:
- If High Winds:

- 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?
   - If Yes, specify (select all that apply):
     - Hurricane
     - Tropical Storm
     - Tornado
     - Other
     - If Other, Specify:

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 Excavation Damage by Operator (First Party):
- If Excavation Damage by Operator’s Contractor (Second Party):
- If Excavation Damage by Third Party:
- If Previous Damage due to Excavation Activity:

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Complete the following ONLY IF the "Part of system involved in Incident" (from Part C, Question 2) is Main, Service, or Service Riser.

1. Date of the most recent Leak Survey conducted

2. Has one or more pressure test been conducted since original construction at the point of the Incident?
   - If Yes: Most recent year tested:
     - Test pressure:

Complete the following if Excavation Damage by Third Party is selected.

3. Did the operator get prior notification of the excavation activity? Yes
   3a. 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.

4. Do you want PHMSA to upload the following information to CGA-DIRT (www.cga-dirt.com)? No

5. Right-of-Way where event occurred (select all that apply):
   - Public
     - If Public, Specify: Yes
   - Private
     - If Private, Specify: Private Landowner
   - Pipeline Property/Easement
   - Power/Transmission Line
   - Railroad
   - Dedicated Public Utility Easement
   - Federal Land
   - Data not collected
   - Unknown/Other

6. Type of excavator: Contractor

7. Type of excavation equipment: Backhoe/Trackhoe

8. Type of work performed: Sewer (Sanitary/Storm)

9. Was the One-Call Center notified? Yes
   9a. If Yes, specify ticket number: 13081658
   9b. If this is a State where more than a single One-Call Center exists, list the name of the One-Call Center notified: One Call Concepts

10. Type of Locator: Contractor Locator

11. Were facility locate marks visible in the area of excavation? No

12. Were facility marked correctly? Unknown/Other

13. Did the damage cause an interruption in service? Yes
   13a. If Yes, specify duration of the interruption: 5

14. 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, the one predominant second level CGA-DIRT Root Cause as well):
   - Root Cause Description:
     - If One-Call Notification Practices Not Sufficient, specify:
     - If Locating Practices Not Sufficient, specify:
     - If Excavation Practices Not Sufficient, specify:
     - If Other/None of the Above (explain), specify: This is still under investigation and disputed by the parties involved.

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 Nearby Industrial, Man-made, or Other Fire/Explosion as Primary Cause of Incident:

- 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 Rain/Flood

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<table>
<thead>
<tr>
<th>- Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>- If Other, Specify:</td>
</tr>
<tr>
<td>• If Routine or Normal Fishing or Other Maritime Activity NOT Engaged in Excavation:</td>
</tr>
<tr>
<td>• If Electrical Arcing from Other Equipment or Facility:</td>
</tr>
<tr>
<td>• If Previous Mechanical Damage NOT Related to Excavation:</td>
</tr>
<tr>
<td>Complete the following ONLY IF the &quot;Part of system involved in Incident&quot; (from Part C, Question 2) is Main, Service, or Service Riser:</td>
</tr>
<tr>
<td>3. Date of the most recent Leak Survey conducted:</td>
</tr>
<tr>
<td>4. Has one or more pressure test been conducted since original construction at the point of the Incident?</td>
</tr>
<tr>
<td>- If Yes:</td>
</tr>
<tr>
<td>Most recent year tested:</td>
</tr>
<tr>
<td>Test pressure (psig):</td>
</tr>
<tr>
<td>• If Intentional Damage:</td>
</tr>
<tr>
<td>5. Specify:</td>
</tr>
<tr>
<td>- If Other, Specify:</td>
</tr>
<tr>
<td>• If Other Outside Force Damage:</td>
</tr>
<tr>
<td>6. Describe:</td>
</tr>
<tr>
<td>G5 - Pipe, Weld, or Joint Failure - only one sub-cause can be selected from the shaded left-hand column</td>
</tr>
<tr>
<td>Pipe, Weld or Joint Failure – Sub-Cause:</td>
</tr>
<tr>
<td>• If Body of Pipe:</td>
</tr>
<tr>
<td>1. Specify:</td>
</tr>
<tr>
<td>- If Other, Describe:</td>
</tr>
<tr>
<td>• If Butt Weld:</td>
</tr>
<tr>
<td>2. Specify:</td>
</tr>
<tr>
<td>- If Other, Describe:</td>
</tr>
<tr>
<td>• If Fillet Weld:</td>
</tr>
<tr>
<td>3. Specify:</td>
</tr>
<tr>
<td>- If Other, Describe:</td>
</tr>
<tr>
<td>• If Pipe Seam:</td>
</tr>
<tr>
<td>4. Specify:</td>
</tr>
<tr>
<td>- If Other, Describe:</td>
</tr>
<tr>
<td>• If Threaded Metallic Pipe:</td>
</tr>
<tr>
<td>• If Mechanical Fitting:</td>
</tr>
<tr>
<td>5. Specify the mechanical fitting involved:</td>
</tr>
<tr>
<td>- If Other, Describe:</td>
</tr>
<tr>
<td>6. Specify the type of mechanical fitting:</td>
</tr>
<tr>
<td>- If Other, Describe:</td>
</tr>
<tr>
<td>7. Manufacturer:</td>
</tr>
<tr>
<td>8. Year manufactured:</td>
</tr>
<tr>
<td>9. Year Installed:</td>
</tr>
<tr>
<td>10. Other attributes:</td>
</tr>
<tr>
<td>11. Specify the two materials being joined:</td>
</tr>
<tr>
<td>11a. First material being joined:</td>
</tr>
<tr>
<td>- Steel</td>
</tr>
<tr>
<td>- Cast/Wrought Iron</td>
</tr>
<tr>
<td>- Ductile Iron</td>
</tr>
<tr>
<td>- Copper</td>
</tr>
<tr>
<td>- Plastic</td>
</tr>
<tr>
<td>- Unknown</td>
</tr>
<tr>
<td>- Other</td>
</tr>
<tr>
<td>11b. If Plastic, specify:</td>
</tr>
<tr>
<td>- If Other Plastic, specify:</td>
</tr>
<tr>
<td>11c. Second material being joined:</td>
</tr>
<tr>
<td>- Steel</td>
</tr>
<tr>
<td>- Cast/Wrought Iron</td>
</tr>
<tr>
<td>- Ductile Iron</td>
</tr>
<tr>
<td>- Copper</td>
</tr>
<tr>
<td>- Plastic</td>
</tr>
</tbody>
</table>
- Unknown
- Other

11d. If Plastic, specify:
- If Other Plastic, Specify:

12. If used on plastic pipe, did the fitting -- as designed by the manufacturer -- include restraint?
12a. If Yes, specify:

- If Compression Fitting:
13. Fitting type:
14. Manufacturer:
15. Year manufactured:
16. Year installed:
17. Other attributes:
18. Specify the two materials being joined:
   18a. First material being joined:
   - Steel
   - Cast/Wrought Iron
   - Ductile Iron
   - Copper
   - Plastic
   - Unknown
   - Other
   - If Other, specify:
   18b. If Plastic, specify:
   - If Other Plastic, specify:

18c. Second material being joined:
   - Steel
   - Cast/Wrought Iron
   - Ductile Iron
   - Copper
   - Plastic
   - Unknown
   - Other
   - If Other, specify:
18d. If Plastic, specify:
   - Other Plastic, specify:

- If Fusion Joint:
19. Specify:
   - If Other, Specify:
20. Year installed:
21. Other attributes:
22. Specify the two materials being joined:
   22a. First material being joined:
   22b. Second material being joined:
   - If Other, Specify:

- If Other Pipe, Weld, or Joint Failure:
23. Describe:
   Complete the following if any Pipe, Weld, or Joint Failure sub-cause is selected.
24. 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, Specify:
25. Was the Incident a result of:
   - Construction defect
   - Material defect
   - Specify:

Form PHMSA F 7100.1 (Rev. 06-2011)
<table>
<thead>
<tr>
<th>Equipment Failure – Sub-Cause:</th>
</tr>
</thead>
<tbody>
<tr>
<td>- If Malfunction of Control/Relief Equipment:</td>
</tr>
<tr>
<td>1. Specify:</td>
</tr>
<tr>
<td>- Control Valve</td>
</tr>
<tr>
<td>- Instrumentation</td>
</tr>
<tr>
<td>- SCADA</td>
</tr>
<tr>
<td>- Communications</td>
</tr>
<tr>
<td>- Block Valve</td>
</tr>
<tr>
<td>- Check Valve</td>
</tr>
<tr>
<td>- Relief Valve</td>
</tr>
<tr>
<td>- Power Failure</td>
</tr>
<tr>
<td>- Stopples/Control Fitting</td>
</tr>
<tr>
<td>- Pressure Regulator</td>
</tr>
<tr>
<td>- Other</td>
</tr>
<tr>
<td>- If Other, Specify:</td>
</tr>
<tr>
<td>- If Threaded Connection Failure:</td>
</tr>
<tr>
<td>2. Specify:</td>
</tr>
<tr>
<td>- If Other, Specify:</td>
</tr>
<tr>
<td>- If Non-threaded Connection Failure:</td>
</tr>
<tr>
<td>3. Specify:</td>
</tr>
<tr>
<td>- If Other, Specify:</td>
</tr>
<tr>
<td>- If Valve:</td>
</tr>
<tr>
<td>4. Specify:</td>
</tr>
<tr>
<td>4a. Valve type:</td>
</tr>
<tr>
<td>4b. Manufactured by:</td>
</tr>
<tr>
<td>4c. Year manufactured:</td>
</tr>
<tr>
<td>- If Other, Specify:</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Incorrect Operation Sub-Cause:</th>
</tr>
</thead>
<tbody>
<tr>
<td>- If Damage by Operator or Operator’s Contractor NOT Related to Excavation and NOT due to Motorized Vehicle/Equipment Damage:</td>
</tr>
<tr>
<td>- If Valve Left or Placed in Wrong Position, but NOT Resulting in an Overpressure:</td>
</tr>
<tr>
<td>- If Pipeline or Equipment Overpressured:</td>
</tr>
<tr>
<td>- If Equipment Not Installed Properly:</td>
</tr>
<tr>
<td>- If Wrong Equipment Specified or Installed:</td>
</tr>
<tr>
<td>- If “Other Incorrect Operation:</td>
</tr>
<tr>
<td>1. Describe:</td>
</tr>
</tbody>
</table>

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

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

3. What category type was the activity that caused the Incident:
4. Was the task(s) that led to the Incident identified as a covered task in your
Operator Qualification Program?

4a. 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:
  2. Specify:

PART H - NARRATIVE DESCRIPTION OF THE INCIDENT

A contractor installing a cowor line at a residential home struck a 3/4" PE natural gas service operating at approximately 55 psig. The release of natural gas caught the mini backhoe on fire which then caught the house on fire. The contractor had a valid locate ticket. Whether or not the service was located properly is under dispute. The gas meter was less than 10 feet from the point of damage and visible above ground from the point of damage. No injuries resulted from the fire. Service was temporarily lost to one customer.

File Full Name Note: The users have to sign in to view the attachment if there is no current user session.

PART I - PREPARER AND AUTHORIZED SIGNATURE

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Preparer's Facsimile Number: 509-777-5625
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Authorized Signature's Name: Jody Morehouse
Authorized Signature's Title: Manager Pipeline Integrity and Compliance
Authorized Signature Telephone Number: 509-495-2760
Authorized Signature's E-mail Address: jody.morehouse@avistacorp.com
Date: 05/09/2013