

Appendix 5 - Rev. 04/15/2021

| Header column "Comment" boxes displayed below for reference. | |
|--|--|
| Column Heading | Description and Definition of Required Contents (If not self-explanatory) |
| Station Leaks & Emissions | |
| Number of Stations | |
| Station Classification | A1 = above grade, pressure <100 psi A2 = above grade, pressure =100-300 psi A3 = above grade, pressure >300 psi B1 = below grade, pressure <100 psi B2 = below grade, pressure =100-300 psi B3 = below grade, pressure >300 psi |
| Emission Factor (Mscf/yr) | |
| Annual Emissions (Mscf) | |
| Explanatory Notes / Comments | |

| Tab: All Damages | |
|-------------------------------------|--|
| ID | |
| Geographic Location | GIS, zip code, or equivalent |
| Damage Type | E = excavation damage N = natural force damage O = other outside force damage |
| Pipe Material | PB = cathodically protected steel, bare PC = cathodically protected steel, coated UB = unprotected steel, bare UC = unptotected steel, coated |
| Pipe Size (nominal) | |
| Pipe Age (months) | |
| Pressure (psi) | MOP = maximum operating pressure over the past year |
| Leak Grade | 2 = grade 2 2+ = grade 2+ 3 = grade 3 N = non-graded or ungraded |
| Above Ground or Below Ground | AH = above ground, hazardous AN = above ground, non-hazardous B = below ground |
| Discovery Date (MM/DD/YY) | |

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|---------------------------------------|---|
| Repair Date (MM/DD/YY) | |
| Number of Days Leaking | <p>If date and time stamp are reliable and used consistently by respondent, then emissions may be calculated based on actual time leaking. E.G. Repair time - damage event time = duration of event.</p> <p>If respondent has average or historical leak duration based on the nature and circumstances of damages, then these may be applied to like damage events. The emissions factors should be adequately supported and explained in the filing.</p> <p>If actual time stamps and historical averages are not available, then whole days should be used in the engineering calculation. The leak begins with the damage event date thru repair date or December 31st of subject year, whichever is later. E.G. Days Leaking = Repair date - date of damage + 1 day.</p> |
| Emission Factor (Mscf/Day) | |
| Annual Emissions (Mscf) | |
| Explanatory Notes / Comments | <p>Provide method of calculation and example of formula. Explain how any EF's used were derived.</p> |

| Blowdowns | |
|--|------------------------------|
| ID | |
| Geographic Location | GIS, zip code, or equivalent |
| Number of Blowdown Events | |
| Annual Emissions (Mscf) | |
| Explanatory Notes / Comments | |

| Component Vented Emissions | |
|-----------------------------------|---|
| ID | |
| Geographic Location | GIS, zip code, or equivalent |
| Station Classification | <p>A1 = above grade, pressure <100 psi A2 = above grade, pressure =100-300 psi A3 = above grade, pressure >300 psi B1 = below grade, pressure <100 psi B2 = below grade, pressure =100-300 psi B3 = below grade, pressure >300 psi</p> |

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|--|---|
| DeviceType | <p>C = connector OE = open-ended line M = meter P = pneumatic device PR = pressure relief valve V = valve O = other devices</p> |
| Bleed Rate | <p>L = low bleed I = intermittent bleed H = high bleed NA = not applicable</p> |
| Manufacturer | |
| NumberofDays Emitting | Because the emissions are a factor of design or function, these emissions counted for the entire year. |
| Engineering or Manufacturer's based Estimate of Emissions | |
| Annual Emissions(Mscf) | <p>The emissions should be based on 365 days times the actual volume emitting if known, or the approved Emissions Factor.</p> <p>Note whether the emissions are based on actual volumetric measures in the next column.</p> |
| Explanatory Notes / Comments | |

| Component Leaks | |
|-------------------------------|---|
| ID | |
| Geographic Location | GIS, zip code, or equivalent |
| Station Classification | <p>A1 = above grade, pressure <100 psi A2 = above grade, pressure =100-300 psi A3 = above grade, pressure >300 psi B1 = below grade, pressure <100 psi B2 = below grade, pressure =100-300 psi B3 = below grade, pressure >300 psi</p> |
| DeviceType | <p>C = connector OE = open-ended line M = meter P = pneumatic device PR = pressure relief valve V = valve O = other devices</p> |
| Bleed Rate | <p>L = low bleed I = intermittent bleed H = high bleed NA = not applicable</p> |
| Manufacturer | |

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|-------------------------------------|---|
| Pressure(psi) | MOP = maximum operating pressure over the past year |
| Discovery Date(MM/DD/YY) | List the actual discovery date. If the leak was discovered in the year of interest, then we will assume the component was leaking from the beginning of the year for emissions reporting purposes. |
| Repair Date(MM/DD/YY) | Date that the component repair stopped the leak. Any associated blowdowns as a result of the repair should be included in the blowdowns tab. |
| NumberofDays Leaking | Assume Leaking from January 1 of subject year or prior survey date, whichever is later, thru the repair date (if repaired in year of interest) or December 31 of subject year, whichever is earlier. For O&M discovered leaks, assume that the leak begins with the discovery date <u>thru</u> repair date or December 31st of subject year, whichever is earlier. |
| Emission Factor(Mscf/day) | |
| Annual Emissions(Mscf) | |
| Explanatory Notes / Comments | |

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Note, Farm Taps added to
column as described in note.