

SDG&E, June 15th, 2023  
**Rulemaking (R) 15-01-008 to Adopt Rules and Procedures Governing Commission Regulated Natural Gas Pipelines and Facilities to Reduce Natural Gas Leaks Consistent with Senate Bill 1371, Leno.**  
 In Response to Data Request, R15-01-008 - 2023 June Report  
 Appendix I; Rev. 03/30/2023

Notes:  
 Emissions included in the Report are based on miles of transmission pipeline. Therefore provide the miles of transmission pipeline in your system here.  
 The following data on transmission pipeline leaks is for information purposes and will not be used to report transmission pipeline leak emissions this year.  
 Use a formula-derived value with the formula used in the Annual Emissions column. Do not use a copy and paste-as-value.  
 At the end of Annual Emissions Column, add a summation total in a cell for a column total, and then highlight orange.

**Transmission Pipeline Leaks:**

| ID               | Geographic Location | Pipe Material | Pipe Size (nominal) | Pipe Age (months) | Pressure (psi) | Leak Grade | Above Ground or Below Ground | Discovery Date (MM/DD/YY) | Repair Date (MM/DD/YY) | Scheduled Repair Date (MM/DD/YY) | Reason for Not Scheduling a Repair | Number of Days Leaking | Emission Factor (Mscf/Mile/Year) | Annual Emissions (Mscf) | Explanatory Notes / Comments                                                                                                                                                                                                                                                                                                                                              |
|------------------|---------------------|---------------|---------------------|-------------------|----------------|------------|------------------------------|---------------------------|------------------------|----------------------------------|------------------------------------|------------------------|----------------------------------|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Transmission     | SDG&E Territory     | PC            | All                 | All               | All            | All        | All                          | N/A                       | N/A                    | N/A                              | N/A                                | N/A                    | 0.38                             | 80.9                    | 213 Miles - For 2022, the INGAA Greenhouse Gas Emission Estimation Guidelines for Natural Gas Transmission and Storage - Volume 1 GHG Emission Estimation Methodologies and Procedures (September 28, 2005 - Revision 2) - Table 4-4 study provides the best available estimate of emissions for Transmission Pipeline, which includes emissions from Flanges and Valves. |
| <b>Sum Total</b> |                     |               |                     |                   |                |            |                              |                           |                        |                                  |                                    |                        |                                  | <b>81</b>               |                                                                                                                                                                                                                                                                                                                                                                           |

SDG&E, June 15th, 2023

Rulemaking (R.) 15-01-008 to Adopt Rules and Procedures Governing Commission Regulated Natural Gas Pipelines and Facilities to Reduce Natural Gas Leaks Consistent with Senate Bill 1371, Leno.  
 In Response to Data Request, R15-01-008 - 2023 June Report  
 Appendix 1; Rev. 03/30/2023

Notes:

Use a formula-derived value with the formula used in the Annual Emissions column. Do not use a copy and paste-as-value.  
 At the end of Annual Emissions Column, add a summation total in a cell for a column total, and then highlight orange.

Transmission Pipeline Damage (3rd party dig-ins, natural disasters, etc.):

| ID        | Geographic Location | Damage Type | Pipe Material | Pipe Size (nominal) | Pipe Age (months) | Pressure (psi) | Leak Grade | Above Ground or Below Ground | Discovery Date (MM/DD/YY) | Repair Date (MM/DD/YY) | Number of Days Leaking | Emission Factor (Mscf/Day) | Annual Emissions (Mscf) | Explanatory Notes / Comments |
|-----------|---------------------|-------------|---------------|---------------------|-------------------|----------------|------------|------------------------------|---------------------------|------------------------|------------------------|----------------------------|-------------------------|------------------------------|
| Sum Total |                     |             |               |                     |                   |                |            |                              |                           |                        |                        |                            | 0                       |                              |

SDG&E, June 15th, 2023

Rulemaking (R.) 15-01-008 to Adopt Rules and Procedures Governing Commission Regulated Natural Gas Pipelines and Facilities to Reduce Natural Gas Leaks Consistent with Senate Bill 1371, Leno.

In Response to Data Request, R15-01-008 - 2023 June Report  
Appendix 1; Rev. 03/30/2023

Notes:

Use a formula-derived value with the formula used in the Annual Emissions column. Do not use a copy and paste-as-value.  
At the end of Annual Emissions Column, add a summation total in a cell for a column total, and then highlight orange.

The emissions reported under the column Methane Abatement (Mscf) are for information purposes only, and should be separated from the emissions reported under the column for Annual Emissions (Mscf).

**Transmission Pipeline Blowdowns:**

| ID               | Geographic Location | Number of Blowdown Events | Reason | Emission Reduction Strategy | Annual Emissions (Mscf) | Explanatory Notes / Comments                                                                                 | Methane Abatement (Mscf) |
|------------------|---------------------|---------------------------|--------|-----------------------------|-------------------------|--------------------------------------------------------------------------------------------------------------|--------------------------|
| BD-22-1          | 92082               | 1                         | R      | XC                          | 2.47                    | Pipeline blowdown                                                                                            | 662.14                   |
| BD-22-45         | 92129               | 1                         | IM     | XC                          | 0.05                    | Pipeline blowdown                                                                                            | 5.04                     |
| BD-22-73         | 92129               | 1                         | R      | XC                          | 114.16                  | Pipeline blowdown                                                                                            | 2048.83                  |
| BD-22-78         | 92115               | 1                         | IM     | XC                          | 9.29                    | Pipeline blowdown                                                                                            | 1155.20                  |
| BD-22-118        | 92121               | 1                         | IM     | XC                          | 1.33                    | Pipeline blowdown                                                                                            | 284.36                   |
| BD-22-125        | 92121               | 1                         | IM     | XC                          | 26.09                   | Pipeline blowdown                                                                                            | 389.17                   |
| BD-22-127        | 92028               | 1                         | R      | XC                          | 19.10                   | Pipeline blowdown                                                                                            | 984.84                   |
| NA               | Various             | 2                         |        |                             | 0.04                    | Relief Valve Inspections (20 scf/inspection)                                                                 |                          |
| NA               | Various             | 13                        |        |                             | 0.39                    | Drips (30 scf/inspection)                                                                                    |                          |
| NA               | Various             | 72                        |        |                             | 0.144                   | Pneumatic Device Annual Inspections (actuators & controllers) - Estimated avg. gas vented = 2 scf/insp       |                          |
| NA               | Various             | 34                        |        |                             | 0.068                   | LineBreaks - Estimated avg. gas vented = 2 scf/insp                                                          |                          |
| NA               | Various             | 1                         |        |                             | 0.002                   | Analyzers (2scf/inspection)                                                                                  |                          |
| NA               | Various             | 3                         |        |                             | 0.09                    | Filter Change-outs or Filter Inspections w/parts replacement - Estimated avg. gas vented = 30 scf/inspection |                          |
| NA               | Various             | 15                        |        |                             | 8.02                    | Pigging Operation Launcher/Receiver Emissions                                                                |                          |
| NA               | Various             | 92                        |        |                             | 0.247                   | Transmission Odor Intensity Tests                                                                            |                          |
| <b>Sum Total</b> |                     |                           |        |                             | <b>181</b>              |                                                                                                              |                          |

SDG&E, June 15th, 2023

Rulemaking (R.) 15-01-008 to Adopt Rules and Procedures Governing Commission Regulated Natural Gas Pipelines and Facilities to Reduce Natural Gas Leaks Consistent with Senate Bill 1371, Leno.  
 In Response to Data Request, R15-01-008 - 2023 June Report  
 Appendix 1; Rev. 03/30/2023

Notes:

Use a formula-derived value with the formula used in the Annual Emissions column. Do not use a copy and paste-as-value.

At the end of Annual Emissions Column, add a summation total in a cell for a column total, and then highlight orange

The emissions captured on this tab represent the emissions associated with the operational design and function of the component. Any intentional release of natural gas for safety or maintenance purposes should be included in the Blowdowns worksheet.

**Transmission Pipeline Component Vented Emissions:**

| Total Number of Devices | Device Type | Bleed Rate | Manufacturer | Emission Factor (Mscf/day) | Annual Emission (Mscf) | Explanatory Notes / Comments |
|-------------------------|-------------|------------|--------------|----------------------------|------------------------|------------------------------|
| 28 P                    |             |            |              | 0.0576                     | 589                    |                              |
| <b>Sum Total</b>        |             |            |              |                            | <b>589</b>             |                              |

**SDG&E, June 15th, 2023**  
**Rulemaking (R.) 15-01-008 to Adopt Rules and Procedures Governing Commission Regulated Natural Gas Pipelines and Facilities to Reduce Natural Gas Leaks Consistent with Senate Bill 1371, Leno.**  
**In Response to Data Request, R15-01-008 - 2023 June Report**  
**Appendix 1; Rev. 03/30/2023**

Use a formula-derived value with the formula used in the Annual Emissions column. Do not use a copy and paste-as-value.  
 At the end of Annual Emissions Column, add a summation total in a cell for a column total, and then highlight orange.  
 The emissions captured on this tab represent the emissions associated unintentional leaks that if repaired would not leaking. If the component is releasing gas or "bleeding" as a result of its design or function then it is not to be captured in this tab.

**Transmission Pipeline Component Fugitive Leaks:**

12/31/2022      1/1/2022

| ID               | Geographic Location | Device Type | Bleed Rate | Manufacturer | Discovery Date (MM/DD/YY) | Repair Date (MM/DD/YY) | Number of Days Leaking | Emission Factor (Mscf/day) | Annual Emission (Mscf) | Explanatory Notes / Comments                                                                        | Prior Survey Date (DD/MM/YY) |
|------------------|---------------------|-------------|------------|--------------|---------------------------|------------------------|------------------------|----------------------------|------------------------|-----------------------------------------------------------------------------------------------------|------------------------------|
| 7886500          |                     | 92121 O     | NA         | NA           | 2/22/2022                 | 2/22/2022              | 53                     | NA                         | NA                     | Component on Transmission pipeline. Emissions accounted for by mileage-based INGAA Emission Factor. | 5/28/2021                    |
| <b>Sum Total</b> |                     |             |            |              |                           |                        |                        |                            | <b>0</b>               |                                                                                                     |                              |

SDG&E, June 15th, 2023

Rulemaking (R.) 15-01-008 to Adopt Rules and Procedures Governing Commission Regulated Natural Gas Pipelines and Facilities to Reduce Natural Gas Leaks Consistent with Senate Bill 1371, Leno.  
 In Response to Data Request, R15-01-008 - 2023 June Report  
 Appendix 1; Rev. 03/30/2023

Notes:

Use a formula-derived value with the formula used in the Annual Emissions column. Do not use a copy and paste-as-value.  
 At the end of Annual Emissions Column, add a summation total in a cell for a column total, and then highlight orange.

**Transmission Pipeline Odorizers:**

| ID                    | Geographic Location | Number of Units | Emission Factor (Mscf/yr) | Annual Emission (Mscf) | Explanatory Notes / Comments                                                                                        |
|-----------------------|---------------------|-----------------|---------------------------|------------------------|---------------------------------------------------------------------------------------------------------------------|
| Gas Quality Equipment | Various             | 6               |                           | 10.67                  | Transmission (BTU, Gas Quality), Gas Chromatographs (GC). Use manufacturing specs. See Notes in Appendix 9.         |
| Gas Quality Equipment | Various             | 4               |                           | 24.67                  | Transmission (Interstate, Interutilities), GCs and Gas Analyzers. Use manufacturing specs. See Notes in Appendix 9. |
| Gas Quality Equipment | Various             | 6               |                           | 44.73                  | Transmission (Producers), Gas Analyzers. Use manufacturing specs. See Notes in Appendix 9.                          |
| Gas Quality Equipment | Various             | 2               |                           | 0.03                   | Transmission (Producers), Gas Sample/Quality Tests. Use manufacturing specs. See Notes in Appendix 9.               |
| Gas Quality Equipment | Various             | 5               |                           | 6.11                   | Big GEMs, GCs and Gas Analyzers. Use manufacturing specs. See Notes in Appendix 9.                                  |
| Odorizer              | Various             | 4               |                           | 2.63                   | YZ Odorizer. Use manufacturing specs. See Notes in Appendix 9.                                                      |
| <b>Sum Total</b>      |                     |                 |                           | <b>89</b>              |                                                                                                                     |

**Appendix 1; Rev. 03/30/2023**

| Header column "Comment" boxes displayed below for reference. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|--------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Column Heading                                               | Description and Definition of Required Contents (IF not self-explanatory)                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Pipeline Leaks</b>                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>ID</b>                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Geographic Location</b>                                   | GIS, zip code, or equivalent                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Pipe Material</b>                                         | PB = cathodically protected steel, bare<br>PC = cathodically protected steel, coated<br>UB = unprotected steel, bare<br>UC = unprotected steel, coated                                                                                                                                                                                                                                                                                                                                                               |
| <b>Pipe Size (nominal)</b>                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Pipe Age (months)</b>                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Pressure (psi)</b>                                        | MOP = maximum operating pressure over the past year                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Leak Grade</b>                                            | 1 = grade 1<br>2 = grade 2<br>2+ = grade 2+<br>3 = grade 3<br>AH = Above Ground Hazardous synonymous with Grade 1.<br>AN = Above Ground Non-Hazardous<br>AM = Above Ground Non-Hazardous Minor (akin to grade 3 below ground leak).<br>N = non-graded or ungraded                                                                                                                                                                                                                                                    |
| <b>Above Ground or Below Ground</b>                          | A = above ground<br>B = below ground                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Discovery Date (MM/DD/YY)</b>                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Repair Date (MM/DD/YY)</b>                                | Date that the pipeline repair stopped the leak. Any associated blowdowns resulting from the repair should be included in the blowdowns tab.                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Scheduled Repair Date (MM/DD/YY)</b>                      | If leak is open, specify the scheduled date of repair, or type "M," signifying that the leak is being monitored with no scheduled date of repair.<br>Then, provide the reason for not scheduling a repair in Column for that purpose.                                                                                                                                                                                                                                                                                |
| <b>Reason for Not Scheduling a Repair</b>                    | If not scheduled for repair (e.g. with a "M" for monitoring the leak in Scheduled Repair Date), then provide the reason for not scheduling a repair.                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Number of Days Leaking</b>                                | If the leak was discovered by survey in the year of interest, then assume leaking from January 1st of subject year thru repair date or December 31st of subject year, whichever is earlier. (E.G. Days Leaking = Repair - Jan 1st + 1 day.)<br><br>(For days leaking for leaks carried over use January 1st as start date for emissions calculations.)<br><br>For O&M discovered leaks, assume that the leak begins with the discovery date thru repair date or December 31st of subject year, whichever is earlier. |
| <b>Emission Factor (Mscf/Day)</b>                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Annual Emissions (Mscf)</b>                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

**Appendix 1; Rev. 03/30/2023**

| Header column "Comment" boxes displayed below for reference. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|--------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Column Heading                                               | Description and Definition of Required Contents (IF not self-explanatory)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Explanatory Notes / Comments</b>                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>All Damages</b>                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>ID</b>                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Geographic Location</b>                                   | GIS, zip code, or equivalent                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Damage Type</b>                                           | E = excavation damage<br>N = natural force damage<br>O = other outside force damage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Pipe Material</b>                                         | PB = cathodically protected steel, bare<br>PC = cathodically protected steel, coated<br>UB = unprotected steel, bare<br>UC = unptotected steel, coated                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Pipe Size (nominal)</b>                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Pipe Age (months)</b>                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Pressure (psi)</b>                                        | MOP = maximum operating pressure over the past year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Leak Grade</b>                                            | 1 = grade 1<br>2 = grade 2<br>2+ = grade 2+<br>3 = grade 3<br>N = non-graded or ungraded                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Above Ground or Below Ground</b>                          | AH = above ground, hazardous<br>AN = above ground, non-hazardous<br>B = below ground                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Discovery Date (MM/DD/YY)</b>                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Repair Date (MM/DD/YY)</b>                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Number of Days Leaking</b>                                | <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> |

**Appendix 1; Rev. 03/30/2023**

| Header column "Comment" boxes displayed below for reference. |                                                                                                                                                                                                                                                                                                                                |
|--------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Column Heading                                               | Description and Definition of Required Contents (IF not self-explanatory)                                                                                                                                                                                                                                                      |
| <b>Emission Factor (Mscf/Day)</b>                            |                                                                                                                                                                                                                                                                                                                                |
| <b>Annual Emissions (Mscf)</b>                               |                                                                                                                                                                                                                                                                                                                                |
| <b>Explanatory Notes / Comments</b>                          | Provide method of calculation and example of formula.<br>Explain how any EF's used were derived.                                                                                                                                                                                                                               |
| <b>Tab: Blowdowns</b>                                        |                                                                                                                                                                                                                                                                                                                                |
| <b>ID</b>                                                    |                                                                                                                                                                                                                                                                                                                                |
| <b>Geographic Location</b>                                   | GIS, zip code, or equivalent                                                                                                                                                                                                                                                                                                   |
| <b>Number of Blowdown Events</b>                             |                                                                                                                                                                                                                                                                                                                                |
| <b>Reason</b>                                                | Maintenance (M)<br>Repair or Replacement ( R)<br>Integrity Management (IM)<br>Pressure Reduction or Deactivation (PR)<br>Other (O)<br><br>In the case of Other(O), please provide a description of the reason.                                                                                                                 |
| <b>Emission Reduction Strategy</b>                           | Drafting (D)<br>Cross Compression (XC)<br>Gas Capture (GC)<br>Flaring or Thermal Oxidation (FTO)<br>Project Bundling (PB)<br>Multiple Methods (M)<br>None (N)<br>Other (O)<br><br>In the case of Multiple Methods (M), please list each method.<br><br>In the case of Other (O), please provide a description of the strategy. |
| <b>Annual Emissions (Mscf)</b>                               |                                                                                                                                                                                                                                                                                                                                |
| <b>Explanatory Notes / Comments</b>                          |                                                                                                                                                                                                                                                                                                                                |
| <b>Methane Abatement (Mscf)</b>                              |                                                                                                                                                                                                                                                                                                                                |
| <b>Tab: Component Vented Emissions</b>                       |                                                                                                                                                                                                                                                                                                                                |
| <b>Total Number of Devices</b>                               |                                                                                                                                                                                                                                                                                                                                |

**Appendix 1; Rev. 03/30/2023**

| Header column "Comment" boxes displayed below for reference. |                                                                                                                                                                                                                                                                                    |
|--------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Column Heading                                               | Description and Definition of Required Contents (IF not self-explanatory)                                                                                                                                                                                                          |
| <b>Device Type</b>                                           | P = pneumatic device<br>H = Hydraulic valve operator<br>T = turbine valve operator<br>PR = pressure relief valve<br>O = other devices                                                                                                                                              |
| <b>Bleed Rate</b>                                            | L = low bleed<br>I = intermittent bleed<br>H = high bleed<br>NA = not applicable                                                                                                                                                                                                   |
| <b>Manufacturer</b>                                          |                                                                                                                                                                                                                                                                                    |
| <b>Emission Factor (Mscf/day)</b>                            |                                                                                                                                                                                                                                                                                    |
| <b>Annual Emissions (Mscf)</b>                               | Because the emissions are a factor of design or function, these emissions counted for the entire year.<br>E.G. 365 days times the actual volume emitting if known, or the approved Emissions Factor.                                                                               |
| <b>Explanatory Notes / Comments</b>                          | Note whether the emissions are based on actual volumetric measures.                                                                                                                                                                                                                |
| Component Fugitive Leaks                                     |                                                                                                                                                                                                                                                                                    |
| <b>ID</b>                                                    |                                                                                                                                                                                                                                                                                    |
| <b>Geographic Location</b>                                   | GIS, zip code, or equivalent                                                                                                                                                                                                                                                       |
| <b>Device Type</b>                                           | P = pneumatic device<br>H = Hydraulic valve operator<br>T = turbine valve operator<br>PR = pressure relief valve<br>O = other devices                                                                                                                                              |
| <b>Bleed Rate</b>                                            | L = low bleed<br>I = intermittent bleed<br>H = high bleed<br>NA = not applicable                                                                                                                                                                                                   |
| <b>Manufacturer</b>                                          |                                                                                                                                                                                                                                                                                    |
| <b>Discovery Date (MM/DD/YY)</b>                             | List the actual discovery date.<br><br>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, or prior survey date if surveyed previously within the year of interest. |
| <b>Repair Date (MM/DD/YY)</b>                                | Date that the component repair stopped the leak. Any associated blowdowns as a result of the repair should be included in the blowdowns tab.                                                                                                                                       |

**Appendix 1; Rev. 03/30/2023**

| <b>Header column "Comment" boxes displayed below for reference.</b> |                                                                                                                                                                                                                                                                                                                                                                    |
|---------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Column Heading</b>                                               | <b>Description and Definition of Required Contents (IF not self-explanatory)</b>                                                                                                                                                                                                                                                                                   |
| <b>Number of Days Leaking</b>                                       | 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.<br><br>For O&M discovered leaks, assume that the leak begins with the discovery date thru repair date or December 31st of subject year, whichever is earlier. |
| <b>Emission Factor (Mscf/day)</b>                                   |                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Annual Emissions (Mscf)</b>                                      |                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Explanatory Notes / Comments</b>                                 |                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Odorizers</b>                                                    |                                                                                                                                                                                                                                                                                                                                                                    |
| <b>ID</b>                                                           |                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Geographic Location</b>                                          | GIS, zip code, or equivalent                                                                                                                                                                                                                                                                                                                                       |
| <b>Number of Units</b>                                              |                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Emission Factor (Mscf/yr)</b>                                    |                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Annual Emission (Mscf)</b>                                       | All of the emissions from the odorizing process and equipment.                                                                                                                                                                                                                                                                                                     |
| <b>Explanatory Notes / Comments</b>                                 |                                                                                                                                                                                                                                                                                                                                                                    |