

SoCalGas, June 15th, 2022

Rulemaking (R.) 15-01-008 to Adopt Rules and Procedures Governing Commission Regulated Natural
 In Response to Data Request, R15-01-008 - 2022 June Report
 Appendix 3 - Rev. 03/30/22

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 Compressor Station Blowdowns:

ID	Geographic Location	Number of Blowdown Events	Annual Emissions (Mscf)	Explanatory Notes / Comments
BD-2022-363	92365	1	14.94	Maintenance Blowdown
BD-2022-352	93313	1	25.87	Maintenance Blowdown
BD-2022-353	93313	1	27.71	Maintenance Blowdown
BD-2022-362	92363	1	47.23	Maintenance Blowdown
BD-2022-366	92363	1	122.32	Maintenance Blowdown
BD-2022-354	93313	1	49.72	Maintenance Blowdown
BD-2022-367	92363	1	68.93	Maintenance Blowdown
BD-2022-368	92363	1	131.01	Maintenance Blowdown
BD-2022-355	93313	1	26.86	Maintenance Blowdown
BD-2022-356	93313	1	14.73	Maintenance Blowdown
BD-2022-357	93313	1	56.73	Maintenance Blowdown
BD-2022-364	92365	1	11.06	Maintenance Blowdown
BD-2022-369	92363	1	6.49	Maintenance Blowdown
BD-2022-373	92225	1	17.06	Maintenance Blowdown
BD-2022-358	93313	1	177.9	Maintenance Blowdown
BD-2022-370	92363	1	65.98	Maintenance Blowdown
BD-2022-365	92365	1	14.03	Maintenance Blowdown
BD-2022-359	93313	1	26.18	Maintenance Blowdown
BD-2022-360	93313	1	28.57	Maintenance Blowdown
BD-2022-371	92363	1	63.54	Maintenance Blowdown
BD-2022-361	93313	1	55.36	Maintenance Blowdown
BD-2022-374	93313	1	26.59	Maintenance Blowdown
BD-2022-385	92363	1	68.59	Maintenance Blowdown
BD-2022-375	93313	1	82.05	Maintenance Blowdown
BD-2022-386	92363	1	10.53	Maintenance Blowdown
BD-2022-397	92225	1	27.19	Maintenance Blowdown
BD-2022-376	93313	1	53.62	Maintenance Blowdown
BD-2022-377	93313	1	28.73	Maintenance Blowdown
BD-2022-378	93313	1	28.3	Maintenance Blowdown
BD-2022-398	92225	1	17.16	Maintenance Blowdown
BD-2022-379	93313	1	82.18	Maintenance Blowdown
BD-2022-387	92363	1	23.78	Maintenance Blowdown
BD-2022-380	93313	1	50.29	Maintenance Blowdown
BD-2022-384	92365	1	16.29	Maintenance Blowdown
BD-2022-381	93313	1	82.21	Maintenance Blowdown
BD-2022-388	92363	1	18.9	Maintenance Blowdown
BD-2022-382	93313	1	118.79	Maintenance Blowdown
BD-2022-383	93313	1	26.42	Maintenance Blowdown
BD-2022-399	92225	1	54.35	Maintenance Blowdown
BD-2022-400	93313	1	27.66	Maintenance Blowdown
BD-2022-416	92363	1	60.3	Maintenance Blowdown
BD-2022-351	92225	1	30.39	Maintenance Blowdown
BD-2022-401	93313	1	28.98	Maintenance Blowdown
BD-2022-402	93313	1	30.22	Maintenance Blowdown
BD-2022-403	93313	1	55.31	Maintenance Blowdown
BD-2022-413	92365	1	19.71	Maintenance Blowdown
BD-2022-404	93313	1	110.09	Maintenance Blowdown
BD-2022-405	93313	1	29.65	Maintenance Blowdown
BD-2022-406	93313	1	57.46	Maintenance Blowdown
BD-2022-407	93313	1	51.88	Maintenance Blowdown
BD-2022-408	93313	1	27.61	Maintenance Blowdown
BD-2022-417	92363	1	23.93	Maintenance Blowdown
BD-2022-418	92363	1	70.88	Maintenance Blowdown
BD-2022-409	93313	1	56.53	Maintenance Blowdown
BD-2022-410	93313	1	50.21	Maintenance Blowdown
BD-2022-411	93313	1	28.42	Maintenance Blowdown
BD-2022-414	92365	1	146.32	Maintenance Blowdown
BD-2022-412	93313	1	25.99	Maintenance Blowdown
BD-2022-415	92365	1	72.59	Maintenance Blowdown
BD-2022-306	92363	1	1488.84	Tie-in Project
BD-2021-51	92225	1	34.19	Maintenance Blowdown
BD-2021-52	92225	1	31.08	Maintenance Blowdown
BD-2021-53	92225	1	32.08	Maintenance Blowdown
BD-2021-54	92225	1	17.59	Maintenance Blowdown
BD-2021-102	92225	1	19.45	Maintenance Blowdown
BD-2021-103	92225	1	19.88	Maintenance Blowdown
BD-2021-104	92225	1	19.92	Maintenance Blowdown
BD-2021-73	92225	1	17.65	Maintenance Blowdown

BD-2021-74	92225	1	32.49	Maintenance Blowdown
BD-2021-75	92225	1	17.77	Maintenance Blowdown
BD-2021-105	92225	1	20	Clark #14 Watchdog Fail
BD-2021-98	92225	1	30.88	Maintenance Blowdown
BD-2021-99	92225	1	1357.4	Maintenance Blowdown
BD-2021-100	92225	2	31.79	Maintenance Blowdown
BD-2021-106	92225	1	34	Repair Blowdown
BD-2021-139	92225	1	19.2	Maintenance Blowdown
BD-2021-140	92225	1	1411.3	Maintenance Blowdown
BD-2021-141	92225	1	29.47	Maintenance Blowdown
BD-2021-162	92225	1	16.76	Maintenance Blowdown
BD-2021-163	92225	1	16.52	Maintenance Blowdown
BD-2021-164	92225	1	17.25	Maintenance Blowdown
BD-2021-165	92225	1	29.61	Maintenance Blowdown
BD-2021-166	92225	1	17.4	Maintenance Blowdown
BD-2021-167	92225	1	21.32	Maintenance Blowdown
BD-2021-191	92225	1	27.58	Maintenance Blowdown
BD-2021-192	92225	1	15.85	Maintenance Blowdown
BD-2021-197	92225	1	20	Repair Blowdown
BD-2021-196	92225	1	20	Repair Blowdown
BD-2021-193	92225	1	26.93	Maintenance Blowdown
BD-2021-253	92225	1	17.69	Maintenance Blowdown
BD-2021-254	92225	1	10.78	Maintenance Blowdown
BD-2021-255	92225	1	16.5	Maintenance Blowdown
BD-2021-256	92225	2	33.31	Maintenance Blowdown
BD-2021-274	92225	1	16.66	Maintenance Blowdown
BD-2021-275	92225	1	16.63	Maintenance Blowdown
BD-2021-276	92225	1	10.25	Maintenance Blowdown
BD-2021-277	92225	1	16.56	Maintenance Blowdown
BD-2021-278	92225	1	16.74	Maintenance Blowdown
BD-2021-300	92225	1	26.42	Maintenance Blowdown
BD-2021-301	92225	1	15.75	Maintenance Blowdown
BD-2021-302	92225	1	25.75	Maintenance Blowdown
BD-2021-207	92225	1	19.63	Maintenance Blowdown
BD-2021-208	92225	1	19.7	Maintenance Blowdown
BD-2021-209	92225	1	33.01	Maintenance Blowdown
BD-2021-212	92225	1	22.88	Maintenance Blowdown
BD-2021-213	92225	1	22.95	Maintenance Blowdown
BD-2021-36	92363	1	17.36	Maintenance Blowdown
BD-2021-37	92363	1	17.41	Maintenance Blowdown
BD-2021-38	92363	1	17	Maintenance Blowdown
BD-2021-62	92363	1	17.36	Maintenance Blowdown
BD-2021-101	92363	1	333	Unplanned incident
BD-2021-129	92363	3	50.69	Maintenance Blowdown
BD-2021-130	92363	4	65.79	Maintenance Blowdown
BD-2021-131	92363	2	33.28	Maintenance Blowdown
BD-2021-132	92363	1	16.71	Maintenance Blowdown
BD-2021-150	92363	2	26.59	Maintenance Blowdown
BD-2021-194	92363	1	300	Repaire Blowdown
BD-2021-151	92363	1	10.6	Maintenance Blowdown
BD-2021-152	92363	1	6.96	Maintenance Blowdown
BD-2021-153	92363	1	6.46	Maintenance Blowdown
BD-2021-236	92363	2	31.68	Maintenance Blowdown
BD-2021-237	92363	3	47.47	Maintenance Blowdown
BD-2021-239	92363	1	56.76	Maintenance Blowdown
BD-2021-240	92363	2	57.08	Maintenance Blowdown
BD-2021-241	92363	1	10.84	Maintenance Blowdown
BD-2021-291	92363	2	58.03	Maintenance Blowdown
BD-2021-292	92363	1	24.41	Maintenance Blowdown
NA	92363	4	122.32	Maintenance Blowdown
NA	92363	2	68.93	Maintenance Blowdown
Na	92363	4	131.01	Maintenance Blowdown
NA	92363	1	6.49	Maintenance Blowdown
NA	92363	2	65.98	Maintenance Blowdown
NA	92363	2	63.54	Maintenance Blowdown
BD-2022-306	92363	1	1566	Tie-in Project
BD-2021-107	92365	1	11.4	LDAR Program Repair Blowdown
BD-2021-63	92365	1	16.87	Maintenance Blowdown
BD-2021-108	92365	1	12.3	LDAR Program Repair Blowdown
BD-2021-109	92365	1	12.5	LDAR Program Repair Blowdown
BD-2021-64	92365	1	11.19	Maintenance Blowdown
BD-2021-65	92365	2	44.58	Maintenance Blowdown
BD-2021-110	92365	1	10.2	LDAR Program Repair Blowdown
BD-2021-66	92365	2	26.26	Maintenance Blowdown
BD-2021-67	92365	1	10.59	Maintenance Blowdown
BD-2021-68	92365	2	41.31	Maintenance Blowdown
BD-2021-111	92365	1	35.1	LDAR Program Repair Blowdown
BD-2021-112	92365	1	25.3	LDAR Program Repair Blowdown
BD-2021-89	92365	2	30.28	Maintenance Blowdown
BD-2021-90	92365	3	74.37	Maintenance Blowdown
BD-2021-133	92365	2	46.62	Maintenance Blowdown
BD-2021-176	92365	1	10.29	Maintenance Blowdown

BD-2021-195	92365	1	13 LDAR Program Repair Blowdown
BD-2021-177	92365	1	15.74 Maintenance Blowdown
BD-2021-178	92365	1	24.65 Maintenance Blowdown
BD-2021-238	92365	3	66.58 Maintenance Blowdown
BD-2021-290	92365	1	11.92 Maintenance Blowdown
BD-2021-16	92365	1	4044.754 Pipeline Blowdown
BD-2021-24	93313	1	29.32 Maintenance Blowdown
BD-2021-25	93313	1	28.1 Maintenance Blowdown
BD-2021-26	93313	1	26.18 Maintenance Blowdown
BD-2021-27	93313	5	145.97 Maintenance Blowdown
BD-2021-28	93313	6	163.47 Maintenance Blowdown
BD-2021-29	93313	1	28.58 Maintenance Blowdown
BD-2021-30	93313	1	28.84 Maintenance Blowdown
BD-2021-31	93313	2	60.53 Maintenance Blowdown
BD-2021-32	93313	6	186.06 Maintenance Blowdown
BD-2021-33	93313	1	28.03 Maintenance Blowdown
BD-2021-34	93313	1	28.78 Maintenance Blowdown
BD-2021-35	93313	1	24.89 Maintenance Blowdown
BD-2021-55	93313	1	29.09 Maintenance Blowdown
BD-2021-56	93313	2	41.86 Maintenance Blowdown
BD-2021-57	93313	1	26.91 Maintenance Blowdown
BD-2021-58	93313	1	24.21 Maintenance Blowdown
BD-2021-59	93313	1	30.78 Maintenance Blowdown
BD-2021-60	93313	1	27.89 Maintenance Blowdown
BD-2021-61	93313	1	24.27 Maintenance Blowdown
BD-2021-76	93313	1	26.69 Maintenance Blowdown
BD-2021-77	93313	5	149.28 Maintenance Blowdown
BD-2021-78	93313	1	29.1 Maintenance Blowdown
BD-2021-79	93313	1	27.16 Maintenance Blowdown
BD-2021-80	93313	1	29.71 Maintenance Blowdown
BD-2021-81	93313	1	29.1 Maintenance Blowdown
BD-2021-82	93313	1	29.81 Maintenance Blowdown
BD-2021-83	93313	1	27.6 Maintenance Blowdown
BD-2021-84	93313	1	28.54 Maintenance Blowdown
BD-2021-85	93313	1	28.69 Maintenance Blowdown
BD-2021-86	93313	1	28.47 Maintenance Blowdown
BD-2021-87	93313	1	27.65 Maintenance Blowdown
BD-2021-88	93313	4	108.47 Maintenance Blowdown
BD-2021-119	93313	4	88.58 Maintenance Blowdown
BD-2021-120	93313	2	44.27 Maintenance Blowdown
BD-2021-121	93313	1	17.52 Maintenance Blowdown
BD-2021-122	93313	1	30.23 Maintenance Blowdown
BD-2021-123	93313	2	60.36 Maintenance Blowdown
BD-2021-124	93313	1	27.36 Maintenance Blowdown
BD-2021-125	93313	3	84.74 Maintenance Blowdown
BD-2021-126	93313	1	28.78 Maintenance Blowdown
BD-2021-127	93313	3	81.3 Maintenance Blowdown
BD-2021-128	93313	5	138.32 Maintenance Blowdown
BD-2021-142	93313	1	28.55 Maintenance Blowdown
BD-2021-143	93313	2	58.05 Maintenance Blowdown
BD-2021-144	93313	1	29.36 Maintenance Blowdown
BD-2021-145	93313	1	29.11 Maintenance Blowdown
BD-2021-146	93313	2	58 Maintenance Blowdown
BD-2021-147	93313	3	87.22 Maintenance Blowdown
BD-2021-148	93313	1	26.46 Maintenance Blowdown
BD-2021-149	93313	1	23.87 Maintenance Blowdown
BD-2021-168	93313	3	86.07 Maintenance Blowdown
BD-2021-169	93313	2	58.39 Maintenance Blowdown
BD-2021-170	93313	1	29.72 Maintenance Blowdown
BD-2021-171	93313	1	30.02 Maintenance Blowdown
BD-2021-172	93313	2	59.66 Maintenance Blowdown
BD-2021-173	93313	1	26.65 Maintenance Blowdown
BD-2021-174	93313	2	55.47 Maintenance Blowdown
BD-2021-175	93313	1	26.59 Maintenance Blowdown
BD-2021-225	93313	2	58.65 Maintenance Blowdown
BD-2021-226	93313	1	29.35 Maintenance Blowdown
BD-2021-227	93313	1	28.95 Maintenance Blowdown
BD-2021-228	93313	1	27.98 Maintenance Blowdown
BD-2021-229	93313	2	57.22 Maintenance Blowdown
BD-2021-230	93313	1	27.73 Maintenance Blowdown
BD-2021-231	93313	2	55.56 Maintenance Blowdown
BD-2021-232	93313	1	28.15 Maintenance Blowdown
BD-2021-233	93313	2	45.82 Maintenance Blowdown
BD-2021-234	93313	3	74.8 Maintenance Blowdown
BD-2021-235	93313	1	27.32 Maintenance Blowdown
BD-2021-257	93313	2	56.85 Maintenance Blowdown
BD-2021-258	93313	2	57.77 Maintenance Blowdown
BD-2021-259	93313	1	27.59 Maintenance Blowdown
BD-2021-260	93313	1	27.4 Maintenance Blowdown
BD-2021-261	93313	3	79.36 Maintenance Blowdown
BD-2021-262	93313	2	57.41 Maintenance Blowdown
BD-2021-263	93313	1	26.64 Maintenance Blowdown

BD-2021-264	93313	2	54.77	Maintenance Blowdown
BD-2021-265	93313	2	54.85	Maintenance Blowdown
BD-2021-266	93313	2	57.34	Maintenance Blowdown
BD-2021-267	93313	1	26.97	Maintenance Blowdown
BD-2021-279	93313	1	29.9	Maintenance Blowdown
BD-2021-200	93313	2	58.65	Maintenance Blowdown
BD-2021-280	93313	1	29.74	Maintenance Blowdown
BD-2021-281	93313	1	29.15	Maintenance Blowdown
BD-2021-282	93313	1	28.81	Maintenance Blowdown
BD-2021-283	93313	1	29.61	Maintenance Blowdown
BD-2021-284	93313	1	27.66	Maintenance Blowdown
BD-2021-285	93313	2	55.84	Maintenance Blowdown
BD-2021-286	93313	1	25.17	Maintenance Blowdown
BD-2021-287	93313	1	24.4	Maintenance Blowdown
BD-2021-288	93313	1	25.6	Maintenance Blowdown
BD-2021-289	93313	2	52.23	Maintenance Blowdown
NA	93313	1	644.81	Emergency safety shutdown
NA	93313	1	712.20	Emergency safety shutdown
NA	93313	1	659.81	Emergency safety shutdown
NA	93313	1	580.38	Emergency safety shutdown
NA	NA	123	0.246	Actuators - Estimated avg. gas vented = 2 scf/insp (Actuator/Controller)
NA	NA	16	0.032	Controllers - Estimated avg. gas vented = 2 scf/insp (Actuator/Controller)
NA	NA	13	0.26	Analyzer - Estimated avg. gas vented = 20 scf/insp (Actuator/Controller)
NA	NA	28	0.7	Meters - Estimated avg. gas vented = 25 scf/ea
NA	NA	10	0.3	Filter Change-outs or Filter Inspections w/parts replacement - Estimated avg. gas vented = 30 scf/ea
NA	NA	131	2.62	Relief Valve Inspections - Estimated avg. gas vented = 20 scf/insp (annual test with Nitrogen, gas vented is volume of gas in valve)
Sum total			22,809	

SoCalGas, June 15th, 2022

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 - 2022 June Report

Appendix 3 - Rev. 03/30/22

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 on the Blowdowns worksheet.

Transmission Compressor Station Component Vented Emissions:

ID	Geographic Location	Device Type	Bleed Rate	Manufacturer	Engineering or Manufacturer's based Estimate of Emissions	Annual Emissions (Mscf)	Explanatory Notes / Comments
16		P	I		0.0576	336.384	Controllers
123		P	I		0.0576	2585.952	Actuators
Sum Total						2,922	Provided as an example.

SoCalGas, June 15th, 2022

**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 - 2022 June Report
Appendix 3 - Rev. 03/30/22**

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 Compressor Station Storage Tank Emissions:

Total Number	Discovery Date (DD/MM/YY)	Repair Date (DD/MM/YY)	Number of Days Emitting	Emission Factor (Mscf/yr)	Annual Emissions (Mscf)	Explanatory Notes / Comments
4	N/A	N/A	365	N/A		132.2 Condensate Tank
1	N/A	N/A	365	N/A		32.9 Aboveground Waste Condensate Vessel

Sum Total 165

Header column "Comment" boxes displayed below for reference.	
Column Heading	Description and Definition of Required Contents (IF not self-explanatory)
Appendix 3 - Rev. 03/30/20	
ID	
Geographic Location	GIS, zip code, or equivalent
Compressor Type	C = centrifugal R = reciprocating
Prime Mover	
Number of Cylinders	
Number of Seals	
Seal Type	W = wet D = dry NA = not applicable
Measurement Frequency	A - Annual Q - Quarterly M - Monthly W - Weekly D - Daily
Emission Factor: Measurement Date - Pressurized Operations	
Operating Mode: Pressurized Operating (hours)	Use these EF columns as well as the columns for the Compressor Measurements noted in Columns R thru AB when they are applicable. If the data is not captured by the operator, then add a note explaining why the applicable measurement data was not recorded or available in the Explanatory Notes / Comments column.
Operating Mode: Pressurized Idle (hours)	
Operating Mode: Depressurized Idle (hours)	
Operating Mode: Offline (Hours)	
Emission Factor: Pressurized Operating (scf/hr)	
Emission Factor: Pressurized Idle (scf/hr)	
Emission Factor: Depressurized Idle (scf/hr)	
Emission Factor: Offline (scf/hr)	If the "Offline" hours are counted, then a measurement of "offline" emissions should be taken to determine whether emissions occur. (We should not assume they are zero.)
Emission Factor: Pressurized Operating - Rod Packing (scf/hr)	These are new columns for reporting year 2020 of 2019 data. These only apply to operators who during their operations and surveys of compressor stations measure their Compressor Vented Emissions for these components of the compressor. Not all gas operators measure vented emissions and establish flow rates for
Emission Factor: Pressurized Operating - Blowdown Valve (scf/hr)	<p>CPUC Staff strongly encourage more frequent measurement of the following compressor vented emissions. Compliance minimum is once annually, though Staff suggest the minimum frequency should be quarterly and measured at roughly the same time each quarter (e.g. on or around the component survey given mode of operation). More frequent measurements, e.g. monthly would be better due to the temporal changes in conditions that effect emissions. The more frequent measurements also provide an opportunity to detect worn rod packing or seals, which exacerbate emissions, and with timely awareness of suboptimal operations gas operators have an opportunity for accelerating maintenance to correct worn parts. The following steps for reporting more frequent measurements in 2020 are outlined in the adjacent cell, and should be provided if available.</p>
Emission Factor: Pressurized Operating - Wet Seal Oil Degassing Vent (scf/hr)	
Emission Factor: Pressurized Operating - Wet Seal (scf/hr)	
Emission Factor: Pressurized Operating - Dry Seal (scf/hr)	
Emission Factor: Pressurized Idle - Rod Packing (scf/hr)	
Emission Factor: Pressurized Idle - Blowdown Valve (scf/hr)	
Emission Factor: Pressurized Idle - Wet Seal Oil Degassing Vent (scf/hr)	
Emission Factor: Pressurized Idle - Wet Seal (scf/hr)	
Emission Factor: Pressurized Idle - Dry Seal (scf/hr)	
Emission Factor: Pressurized Idle - Isolation Valve (scf/hr)	
Annual Emissions (Mscf)	
Explanatory Notes / Comments	

The Columns P through AB were added to the template and should be used for the indicated measured compressor emissions, which include Centrifugal compressors in accordance with OGR and your operating practice.

For the 2020 data reporting of compressor vented emissions: Where more than one measurement was taken during the year (e.g. after a maintenance cycle*, monthly, or quarterly), use the measured EF multiplied by the activity hours that occurred during the corresponding period. For example, if the compressor measurement was taken quarterly, then the measured EF should be multiplied by the activity hours that occurred in the respective quarter, and the same for more frequent measurements (e.g. monthly, weekly etc.). For each compressor devote one row per measurement period (see example provided). In the case of a single annual measurement EF, then that EF would apply to the activity hours for each respective mode for the entire year (which is consistent with prior year reporting practice).

* If a measurement is taken after a maintenance cycle and no other measurements were taken during the remainder of the year, then use this measured EF for the activity hours occurring after the measurement date thru 12/31/xx. The activity hours prior to the maintenance of the compressor from the beginning of the year should use the previously measured EF, even if the EF was measured in the prior year.

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
Device Type	C = connector O = open-ended line M = meter P = pneumatic device PR = pressure relief valve V = valve
Bleed Rate	L = low bleed I = intermittent bleed H = high bleed NA = not applicable
Manufacturer	
Engineering or Manufacturer's based Estimate of Emissions	
Annual Emissions (Mscf)	
Explanatory Notes / Comments	

Compressor & Component Leaks	
ID	
Geographic Location	GIS, zip code, or equivalent
Device Type	C = connector O = open-ended line M = meter P = pneumatic device PR = pressure relief valve V = valve OT = Other
Emission Factor: Mscf/day/dev	From Appendix 9 use the applicable EF, and if necessary convert it to Mscf/day for each device.
Manufacturer	
Discovery Date (MM/DD/YY)	List the actual discovery date. If the leak was discovered in the year of interest or carried over from prior year, 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.
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.
Prior Survey Date (MM/DD/YY)	Before the discovery date of the leak, there was a "Prior Survey Date" when the compressor station was tested and no leak was found. There should be records as to when the compressor station was last surveyed. If the survey spanned two or more days, enter the final date. Note, a facility level survey date is sufficient to establish the prior survey date.
Number of Days Leaking	The algorithm that is used for determining the number of days leaking should conform to the following guidance: For the number days leaking prior to the date of discovery (survey date in the year of interest), calculate the number of days between the Discovery Date and the Prior Survey Date then divided by 2. [Dividing by 2 approximates the average time leaking between the leak discovery and the prior survey date. See below guidance when a leak is discovered in a prior period and repaired in the year of interest.] $\text{(Discovery Date - Prior Survey Date)} / 2$ Calculate the number of days leaking after discovery (survey) date, by subtracting the discovery date from the repair date, unless the leak has not been repaired, where the number of days should be calculated by subtracting the discovery date from December 31 of the year of interest.* $\text{(Repair Date - Discovery Date)}, \text{ unless repair date greater than } 12/31/XX \text{ then use } 12/31/XX$ --- $\text{Days Leaking} = \text{(Repair Date - Discovery Date)} + \text{(Discovery Date - Prior Survey Date)} / 2 + 1$ * [This requires tracking the leak across different years, because the leak could be minor and conceivably span more than year before getting repaired. Therefore, in the cases where a leak is carried over to a subsequent year, an annual calculation should be made to reflect that the number of days leaking in the prior year have already been reported in the annual emissions inventory. In subsequent years the carried over leaks should reflect a beginning date of January 1 of the year of interest.]
Emission Factor (Mscf/day)	
Annual Emissions (Mscf)	
Explanatory Notes / Comments	

Storage Tanks	
Total Number	
Discovery Date (DD/MM/YY)	
Repair Date (DD/MM/YY)	

Number of Days Emitting	Emitting from discovery date thru the repair date (if repaired in year of interest) or December 31 of subject year, whichever is earlier. (Duration of Leak = discovery date - repair date (or December 31) + 1 day.)
Emission Factor (Mscf/yr)	
Annual Emissions (Mscf)	