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, RTS-01-008 - 2022 June Report Appendix 1 - Rev. 03/30/22

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 Armual Emissions column. Do not use a copy and paste-as-value. At the end of Armual Emissions Column, add a summation total in a column total, and then highlight orange.

Transmission Pipeline Leaks: Scheduled Repair Date (MM/DD/YY) Number of Days Leaking Above Ground or Below Ground Geographic Pipe Location Material Pipe Size (nominal) Pipe Age (months) Pressure (psi) Leak Grade Discovery Date (MM/DD/YY) Repair Date (MM/DD/YY) Reason for Not Scheduling a Repair Emission Factor (Mscf/Mile/year) Annual Emissions (Mscf) ID Explanatory Notes / Comments 1 Mile - For 2021, the INGAA Greenhouse Gas Emission Estimation Guidelines for Natural Gas Transmission and Storger - Volume 1 GriG Emission Estimation Methodologies and Procedures (Spetmer 82, 2005 - Revision 2) -Table 4-4 storby provides the best available estimate of emissions for Transmission Pipeline, which includes emissions from Flanges and Valves. Transmission SoCalGas PB Territory All All All All All N/A N/A N/A N/A 0.38 N/A 3.439 Miles - For 2021, the INGAA Greenbouxe Gas Emission Estimation Guidelines for Natural Gas Transmission and Storage - Volume 1 Girls Emission Estimation Methodiogies and Procedures (September 20, 2000 - Revision J. - Table 4-4 study provides the best available estimate of mesistons for Transmission Prelime, which includes emissions from Flanges and Valves. Transmission SoCalGas Territory All All All All PC All N/A N/A N/A N/A N/A 0.38 1,291 1,292 Sum total

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 Reguest, 15:1-01-02: 2022 June Report Appendix 1 - Rev. 03/30/22

Note: 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.):

D	Geographic Location	Damage Type	Pipe Material	Pipe Size (nominal)	Pipe Age (months)	Pressure (psi)	Leak Grade	Above Ground or Below Ground	Discovery Date		Number of Days Leaking	Emission Factor (Mscf/Day)	Annual Emissions (Mscf)	Explanatory Notes / Comments
7723150	90623	E	Steel	NA		480	Code 1	В	8/12/2021	8/12/2021	1		23.8	
												Sum total	24	

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 1 - 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.

ID	Geographic Location	Number of Blowdown Events	Annual Emissions (Mscf)	Explanatory Notes / Comments
D-2021-18	90040	1	20.878	Pipeline Blowdown
D-2021-199	90245	1	1.09	Pipeline Blowdown
D-2021-8	90640	1	302.64	Pipeline Blowdown
D-2021-305	91105	1	23.82	Pipeline Blowdown
D-2021-14	91203	1	18.94	Pipeline Blowdown
D-2021-4	91403	1	247.53	Pipeline Blowdown
D-2021-6	91506	1		Pipeline Blowdown associated with Pipeline Safety Enhancement Plan Project
D-2021-7	91607	1	548.28	Pipeline Blowdown associated with Pipeline Safety Enhancement Plan Project
D-2021-202	92008	1	5.69	Pipeline Blowdown
D-2021-10	92011	1	30.97	Pipeline Blowdown
D-2021-3	92014	1	0.5278	Pipeline Blowdown
D-2021-211	92220	1	84.3651	Pipeline Blowdown
D-2021-9	92223	1		Pipeline Blowdown
D-2022-307	92363	1	615.5441	Tie-in Project
D-2021-17	92407	1		Pipeline Blowdown
D-2021-210	92563	1	442.8924	Pipeline Blowdown
D-2021-220	92677	1		Pipeline Blowdown
D-2021-203	93204	1		Tie-in Project
D-2021-205	93276	1	200.7769	Tie-in Project
D-2021-218	92104	1		Pipeline Blowdown
D-2022-310	90026	1		Pipeline Blowdown
D-2022-311	92078	1		Pipeline Blowdown
D-2022-312	90026	1		Pipeline Blowdown
D-2022-313	90026	1		Pipeline Blowdown
D-2022-320	90034	1		Pipeline Blowdown
D-2022-322	91301	1		Pipeline Blowdown
D-2022-326	91301	1	849.4683	Pipeline Blowdown
IA	Various Locations	2		Meter Inspections - 25 scf/inspection
IA	Various Locations	1		Analyzers & Gas chromatograph 2scf/inspection
IA	Various Locations	37		Filter Change-outs or Filter Inspections w/parts replacement - Estimated avg. gas vented = 30 scf/inspection
IA	Various Locations	2		Relief Valve Inspections at Transmission Pipeline - Estimated avg. gas vented = 20 scf/inspection
A	Various Locations	25		LineBreaks - Estimated avg. gas vented = 2 scf/insp
A	Various Locations	87		Drips - Pipeline Drip Accumulation - Estimated avg. gas vented = 10,000 cfh for 5min/device
A	Various Locations	429		Pneumatic Device Annual Inspections (actuators & Controllers) - Estimated avg. gas vented = 2 scf/insp
IA	Various Locations	208		Pigging Operation Launcher/Receiver Emissions
IA	Various Locations	784	2.044	Transmission Odor Intensity Tests

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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 1 - Rev. 03/30/22

Appendix 1 - Kev. 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 intential release of natural gas for safety or maintenance purposes should be included in the Blowdowns worksheet.

1 1	Р					
1		1	BETTIS	0.0576	21.024	ACTUATOR
	Р		BECKER	0.0576	21.024	ACTUATOR
1	P		BECKER	0.0576	21.024	ACTUATOR
1	P	1	HKC	0.0576	21.024	ACTUATOR
1	P	1	HKC	0.0576	21.024	ACTUATOR
1	P		BETTIS	0.0576	21.024	ACTUATOR
1	P		DETTIS	0.0576	21.024	ACTUATOR
1	P	1	BETTIS	0.0576	21.024	ACTUATOR
1	P	1	DETTIS	0.0576	21.024	10" ACTUATOR
1	P	1	DECKED		21.024	
1	P	1	BECKER	0.0576 0.0576	21.024	ACTUATOR
	P	1	CAMERON			CAMERON LEDEEN ACTUATOR
1	P	1	HKC	0.0576	21.024	ACTUATOR
1		1	HKC	0.0576	21.024	ACTUATOR
1	P		BECKER	0.0576	21.024	ACTUATOR
1	Р	I		0.0576	21.024	ACTUATOR
1	Р	I		0.0576	21.024	ACTUATOR
1	Р	I		0.0576	21.024	CONTROLLER SUPPLY ASSEMBLY
1	Р	I.		0.0576	21.024	GE BECKER ACTUATOR
1	Р	I.		0.0576	21.024	GE BECKER ACTUATOR
1	Р	I	HKC	0.0576	21.024	24" HKC DOUBLE ACTING ACTUATOR
1	Р	L. L.	HKC	0.0576	21.024	24" HKC DOUBLE ACTING ACTUATOR
1	Р	L. L.	HKC	0.0576	21.024	16" HKC DOUBLE ACTING ACTUATOR
1	Р	1	BETTIS	0.0576	21.024	ACTUATOR
1	Р	1		0.0576	21.024	Actuator
1	Р	1	HKC	0.0576	21.024	24" HKC DOUBLE ACTING ACTUATOR
1	Р	1	HKC	0.0576	21.024	Actuator
1	Р	1	EMERSON	0.0576	21.024	LINE GUARD 2100 LINE BREAK CONTROLLER
1	Р	1		0.0576	21.024	CONTROLLER SUPPLY ASSEMBLY
1	Р	1	BETTIS	0.0576	21.024	BETTIS ACTUATOR
1	Р	1	HKC	0.0576	21.024	ACTUATOR FOR 8" BALL VALVE
1	Р	1	BECKER	0.0576	21.024	BECKER VERTICAL ACTUATOR (SERVICE)
1	Р	1	BETTIS	0.0576	21.024	ACTUATOR
1	Р	1	BECKER	0.0576	21.024	ACTUATOR
1	P		BECKER	0.0576	21.024	ACTUATOR
1	P		HKC	0.0576	21.024	ACTUATOR
1	P		BECKER	0.0576	21.024	ACTUATOR
1	P		BETTIS	0.0576	21.024	ACTUATOR
1	P	1	BETTIS	0.0576	21.024	ACTUATOR
1	P	1	BETTIS	0.0576	21.024	ACTUATOR FOR MLV # 22
1	P	1	BETTIS	0.0576	21.024	ACTUATOR FOR CROSSOVER
1	P	1	BETTIS	0.0576	21.024	ACTUATOR
	P	1				
1	P	1	HKC	0.0576	21.024	36" HKC ACTUATOR
1	P	1		0.0576	21.024	Actuator
1	P	1		0.0576	21.024	ACTUATOR
1	P	I .		0.0576	21.024	ACTUATOR
1	P	I		0.0576	21.024	ACTUATOR
1	Р	I	BETTIS	0.0576	21.024	ACTUATOR
1	Р	I	BECKER	0.0576	21.024	ACTUATOR
1	Р	I	BETTIS	0.0576	21.024	BETTIS ACTUATOR
1	Р	I.	BETTIS	0.0576	21.024	BETTIS ACTUATOR
1	Р	1	BETTIS	0.0576	21.024	BETTIS ACTUATOR FOR (-2)
1	Р	1	SHAFER	0.0576	21.024	SHAFER ACTUATOR
1	Р	I.	BETTIS	0.0576	21.024	BETTIS ACTUATOR
1	Р	I	LEDEEN	0.0576	21.024	LEDEEN ACTUATOR MLV 1B
1	Р	1	BETTIS	0.0576	21.024	BETTIS ACTUATOR
1	Р	1	ROTORK	0.0576	21.024	ACTUATOR
1	P	1		0.0576	21.024	BETTIS ACTUATOR

Sum total

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, R1551-008 2022 June Report Appendix 1 - Rev. 03/30/22

Note: Uses formula-derived value with the formula used in the Armal Emissions oolumn. Do not use a copy and pathe as value. At the end of Armal Emissions Column, add a summation total in a cell ice a column total, and then highlight earage 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.

ansmission Pipel	ine Component Fugitive Leaks:									12/31/2021	1/1/2021
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 Dat (MM/DD/YY)
172196	92677	0	NA	NA	11/21/2019	9/24/2021	266	N/A	N/A	Component on Transmission pipeline. Emissions accounted for by mileage-based INGAA Emission Factor.	6/7/2019
307531	91752	v	NA	NA	3/5/2020	3/1/2021	59	N/A	N/A	Valve component on Transmission pipeline. Emissions accounted for by mileage-based INGAA Emission Factor.	8/1/2019
360520	93204	v	NA	NA	5/19/2020	3/2/2021	60	N/A	N/A	connector component on Transmission pipeline. Emissions accounted for by mileage-based INGAA Emission Factor.	3/30/2020
366462	91344	v	NA	NA	6/30/2020	3/26/2021	84	N/A	N/A	Valve component on Transmission pipeline. Emissions accounted for by mileage-based INGAA Emission Factor.	1/1/2020
413149	91355	v	NA	NA	8/24/2020	6/29/2021	179	N/A	N/A	Valve component on Transmission pipeline. Emissions accounted for by mileage-based INGAA Emission Factor.	3/5/2020
413280	93251	v	NA	NA	6/12/2020	4/1/2021	90	N/A	N/A	Valve component on Transmission pipeline. Emissions accounted for by mileage-based INGAA Emission Factor.	5/12/2020
7413281	93251	v	NA	NA	6/12/2020	4/1/2021	90	N/A	N/A	Valve component on Transmission pipeline. Emissions accounted for by mileage-based INGAA Emission Factor.	5/12/2020
7446378	91360	0	NA	NA	9/29/2020	In Progress	364	N/A	N/A	Component on Transmission pipeline. Emissions accounted for by mileage-based INGAA Emission Factor.	9/18/2020
7457817	92821	с	NA	NA	9/21/2020	9/16/2021	258	N/A	N/A	Pneumatic component on Transmission pipeline. Emissions accounted for by mileage-based INGAA Emission Factor.	7/28/2020
7463467	92503	v	NA	NA	10/10/2020	1/20/2021	19	N/A	N/A	connector component on Transmission pipeline. Emissions accounted for by mileage-based INGAA Emission Factor.	8/1/2020
7470736	93276	v	NA	NA	9/16/2020	2/19/2021	49	N/A	N/A	connector component on Transmission pipeline. Emissions accounted for by mileage-based INGAA Emission Factor.	3/23/2020
7490981	92236	v	NA	NA	11/10/2020	1/15/2021	14	N/A	N/A	Valve component on Transmission pipeline. Emissions accounted for by mileage-based INGAA Emission Factor.	9/1/2020
508890	90740	v	NA	NA	11/24/2020	3/8/2021	66	N/A	N/A	Valve component on Transmission pipeline. Emissions accounted for by mileage-based INGAA Emission Factor.	9/7/2020
535417	91367	v	NA	NA	1/6/2021	1/6/2021	5	N/A	N/A	connector component on Transmission pipeline. Emissions accounted for by mileage-based INGAA Emission Factor.	9/18/2020
535593	93543	v	NA	NA	12/28/2020	1/8/2021	7	N/A	N/A	Pneumatic component on Transmission pipeline. Emissions accounted for by mileage-based INGAA Emission Factor.	10/1/2020
536951	91377	v	NA	NA	1/8/2021	1/9/2021	8	N/A	N/A	Valve component on Transmission pipeline. Emissions accounted for by mileage-based INGAA Emission Factor.	10/22/2020
544972	92225	v	NA	NA	1/21/2021	2/5/2021	35	N/A	N/A	connector component on Transmission pipeline. Emissions accounted for by mileage-based INGAA Emission Factor.	8/6/2020
547652	90608	с	NA	NA	2/2/2021	2/2/2021	32	N/A	N/A	Valve component on Transmission pipeline. Emissions accounted for by mileage-based INGAA Emission Factor.	5/29/2020
589085	92677	с	NA	NA	3/8/2021	3/8/2021	66	N/A	N/A	Valve component on Transmission pipeline. Emissions accounted for by mileage-based INGAA Emission Factor.	10/2/2020
7589328	91709	v	NA	NA	3/8/2021	3/22/2021	80	N/A	N/A	Pneumatic component on Transmission pipeline. Emissions accounted for by mileage-based INGAA Emission Factor.	9/1/2020
7589330	92008	с	NA	NA	3/9/2021	3/9/2021	67	N/A	N/A	Valve component on Transmission pipeline. Emissions accounted for by mileage-based INGAA Emission Factor.	9/15/2020
7592016	93003	v	NA	NA	3/18/2021	3/18/2021	76	N/A	N/A	connector component on Transmission pipeline. Emissions accounted for by mileage-based INGAA Emission Factor.	9/18/2020
7598744	92806	v	NA	NA	3/24/2021	In Progress	364	N/A	N/A	Valve component on Transmission pipeline. Emissions accounted for by mileage-based INGAA Emission Factor.	8/24/2020
7599647	92886	v	NA	NA	3/30/2021	3/31/2021	89	N/A	N/A	connector component on Transmission pipeline. Emissions accounted for by mileage-based INGAA Emission Factor.	8/6/2020
7599873	93001	с	NA	NA	3/22/2021	In Progress	364	N/A	N/A	Valve component on Transmission pipeline. Emissions accounted for by mileage-based INGAA Emission Factor.	9/18/2020
7613310	92227	с	NA	NA	4/5/2021	4/5/2021	94	N/A	N/A	Valve component on Transmission pipeline. Emissions accounted for by mileage-based INGAA Emission Factor.	10/20/2020
7641630	91344	с	NA	NA	7/15/2021	In Progress	286	N/A	N/A	connector component on Transmission pipeline. Emissions accounted for by mileage-based INGAA Emission Factor.	3/20/2021
7669447	93021	v	NA	NA	6/14/2021	In Progress	287	N/A	N/A	Valve component on Transmission pipeline. Emissions accounted for by mileage-based INGAA Emission Factor.	3/19/2021
729091	93033	с	NA	NA	8/23/2021	In Progress	217	N/A	N/A	connector component on Transmission pipeline. Emissions accounted for by mileage-based INGAA Emission Factor.	5/28/2021
7729494	92801	Р	NA	NA	8/26/2021	8/26/2021	68	N/A	N/A	Pneumatic component on Transmission pipeline. Emissions accounted for by mileage-based INGAA Emission Factor.	6/19/2021
7745630	91367	0	NA	NA	8/8/2021	10/29/2021	295	N/A	N/A	Component on Transmission pipeline. Emissions accounted for by mileage-based INGAA Emission Factor.	1/7/2021
7753761	92410	0	NA	NA	9/27/2021	In Progress	193	N/A	N/A	Component on Transmission pipeline. Emissions accounted for by mileage-based INGAA Emission Factor.	6/21/2021
7754819	92014	v	NA	NA	9/27/2021	In Progress	189	N/A	N/A	Valve component on Transmission pipeline. Emissions accounted for by mileage-based INGAA Emission Factor.	6/25/2021
792248	93254	0	NA	NA	11/16/2021	12/22/2021	104	N/A	N/A	Component on Transmission pipeline. Emissions accounted for by mileage-based INGAA Emission Factor.	9/9/2021
7574258	90230	v	NA	NA	2/24/2021	2/24/2021	54	N/A	N/A	Valve component on Transmission pipeline. Emissions accounted for by mileage-based INGAA Emission Factor.	5/1/2020
723150	90623	v	NA	NA	8/12/2021	8/12/2021	223	N/A	N/A	Valve component on Transmission pipeline. Emissions accounted for by mileage-based INGAA Emission Factor.	12/1/2020

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Transmission Pipeline Odorizers:

ID	Geographic Location	Number of Units	Emission Factor (Mscf/yr)	Annual Emission (Mscf)	Explanatory Notes / Comments
s Quality Equipment	SoCalGas Territory	28		49.9	3 Transmission (BTU, Gas Quality), Gas Chromatographs (GC). Use manufacturing specs. See Notes in Appendix 9.
s Quality Equipment	SoCalGas Territory	22		567.5	4 Located in Storage, GCs and Gas Analyzers. Use manufacturing specs. See Notes in Appendix 9.
s Quality Equipment	SoCalGas Territory	21		388.9	6 Transmission (Interstate, Interutilities), GCs and Gas Analyzers. Use manufacturing specs. See Notes in Appendix 9.
s Quality Equipment	SoCalGas Territory	95		1,432.4	1 Transmission (Producers), Gas Analyzers. Use manufacturing specs. See Notes in Appendix 9.
s Quality Equipment	SoCalGas Territory	43		32.8	2 Transmission (Producers), Gas Sample/Quality Tests. Use manufacturing specs. See Notes in Appendix 9.
s Quality Equipment	SoCalGas Territory	47		51.8	Big GEMs, GCs and Gas Analyzers. Use manufacturing specs. See Notes in Appendix 9.
orizer	SoCalGas Territory	37		203.4	9 YZ Odorizer. Use manufacturing specs. See Notes in Appendix 9.

2,727

Sum total

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F	Header column "Comment" boxes displayed below for reference.
Column Heading	Description and Definition of Required Contents (IF not self-explanatory)
Tab: Pipeline Leaks	
ID	
Geographic Location	GIS, zip code, or equivalent
	PB = cathodically protected steel, bare
Pipe	PC = cathodically protected steel, coated
Material	UB = unprotected steel, bare
	UC = unprotected steel, coated
Pipe Size	
(nominal)	
Pipe Age	
(months) Pressure	
(psi)	MOP = maximum operating pressure over the past year
Leak Grade	1 = grade 1 2 = grade 2 2+ = grade 2+ 3 = grade 3 AH = Above Ground Hazardous synonoumous with Grade 1. AN = Above Ground Non-Hazardous
Above Crewed or Bolow	AM = Above Ground Non-Hazardous AM = Above Ground Non-Hazardous Minor (akin to grade 3 below ground leak). N = non-graded or ungraded A = above ground
Above Ground or Below Ground	B = below ground
Discovery Date (MM/DD/YY)	
Repair Date (MM/DD/YY)	Date that the pipeline repair stopped the leak. Any associated blowdowns resulting from the repair should be included in the blowdowns tab.
Scheduled Repair Date (MM/DD/YY)	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. Then, provide the reason for not scheduling a repair in Column for that purpose.
Reason for Not Scheduling a Repair	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.
Number	If the leak was discovered by survey in the year of interest, then assume leaking from January 1st of subject year <u>thru</u> repair date or December 31st of subject year, which ever is earlier. (E.G. Days Leaking = Repair - Jan 1st + 1 day.)
of Days Leaking	(For days leaking for leaks carried over use January 1st as start date for emissions calculations.)
	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)	

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н	leader column "Comment" boxes displayed below for reference.
Column Heading	Description and Definition of Required Contents (IF not self-explanatory)
Annual Emissions	
(Mscf)	
Explanatory Notes /	
Comments	
Tab: All Damages	
Geographic	
Location	GIS, zip code, or equivalent
Domoso	E = excavation damage
Damage	N = natural force damage
Туре	O = other outside force damage
	PB = cathodically protected steel, bare
Pipe	PC = cathodically protected steel, coated
Material	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	1 = grade 1 2 = grade 2 2+ = grade 2+ 3 = grade 3 N = non-graded or ungraded
	AH = above ground, hazardous
Above Ground or Below	AN = above ground, non-hazardous
Ground	B = below ground
Cround	
Discovery Date	
(MM/DD/YY)	
Repair Date	
(MM/DD/YY)	
	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.
Number of Days Leaking	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.
	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.

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н	eader column "Comment" boxes displayed below for reference.
Column Heading	Description and Definition of Required Contents (IF not self-explanatory)
Emission Factor	
(Mscf/Day)	
Annual Emissions	
(Mscf)	
Explanatory Notes /	Provide method of calculation and example of formula.
Comments	Explain how any EF's used were derived.
Tab: Blowdowns	
ID	
Geographic Location	GIS, zip code, or equivalent
Number of Blowdown	
Events	
Annual Emissions (Mscf)	
Explanatory Notes /	Provide method of calculation and example of formula.
Comments	
Tab: Component Vent	
Geographic Location	GIS, zip code, or equivalent
	C = connector
	O = open-ended line
Device Type	M = meter
	P = pneumatic device
	PR = pressure relief valve
	V = valve
	L = low bleed
Bleed Rate	I = intermittent bleed
	H = high bleed
	NA = not applicable
Manufacturer	
	Because the emissions are a factor of design or function, these emissions counted for
	the entire year.
Annual Emissions (Mscf)	E.G. 365 days times the actual volume emitting if known, or the approved Emissions
	Factor.
Explanatory Notes /	Note whether the emissions are based on actual volumetric measures.
Comments	
Tab: Component Leak	c
ID	
Geographic Location	GIS, zip code, or equivalent
	C = connector
	O = open-ended line
	M = meter
Device Type	P = pneumatic device
	PR = pressure relief valve
	V = valve

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н	eader column "Comment" boxes displayed below for reference.
Column Heading	Description and Definition of Required Contents (IF not self-explanatory)
	L = low bleed
Bleed Rate	I = intermittent bleed
	H = high bleed
	NA = not applicable
Manufacturer	
	List the actual discovery date.
Discovery Date (MM/DD/YY)	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.
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.
Number of Days 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 thru
	repair date or December 31st of subject year, whichever is earlier.
Annual Emissions (Mscf)	
Explanatory Notes /	
Comments	
Tab: Odorizers	
ID	
Geographic	
Location	GIS, zip code, or equivalent
Number of Units	
Emission Factor	
(Mscf/yr)	
Annual Emission	All of the emissions from the odorizing process and equipment.
(Mscf)	
Explanatory Notes /	
Comments	