

SoCalGas, June 13th, 2025

Reclaiming (B) 15-01-089 to Adopt Rules and Procedures Governing Commission Regulated Natural Gas Pipelines and Facilities to Reduce Natural Gas Leaks Consistent with Senate Bill 1371, Linn.
In Response to Data Request, B15-01-089, 2025 June Report
Appendix 4: Rev. 03/27/2025

Notes:

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

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

If all the values and entries are not accurate annually, use the tab "Unsummed Pipeline Leaks" to make corrections.

Do not insert above ground NGA leaks in this tab. Use Appendix 6 instead. Do continue to list above ground leaks associated with the Distribution Main & Service pipeline systems.

After completing this tab or "Pipeline Leaks and Unsummed Pipeline Leaks", fill in details for "Pipeline Leak Summary".

Sum Total Emissions from leaks carried over from before 2024

75,749

Sum Total Emissions from Survey leaks discovered in 2024

347,239

Sum Total Emissions from O&M Leaks discovered in 2024

434,458

Grand Total of all 2024 emissions from leaks

858,446

Distribution Main & Service Pipeline Leaks:

Note: No changes to O&M leak durations for this reporting year.

ID	Geographic Location	Pipe Classification	Pipe Material	Pipe Size (inches)	Pipe Age (years)	Pressure (psi)	Leak Grade	Upstream Leak Grade or Downstream Leak Grade	Above Ground or Below Ground	Leak Discovery Method	Discovery Date (MM/DD/YYYY)	Re-Grade Date (MM/DD/YYYY)	Repair Date (MM/DD/YYYY)	Scheduled Repair Date (MM/DD/YYYY)	Reason for Not Scheduling a Repair	Number of Days Leaking	Number of Days to Repair	Estimator Date (MM/DD/YYYY)	Annual Emissions (lb/yr)	Explanatory Notes / Comments
2423273	92232 DR	UC	3/4"	474	Leak	Less than or equal to 60	1	R	S	12/17/2024	12/17/2024		352	1	0.115	4052				
2423287	92234 MB	P	2"	496	Leak	Less than or equal to 60	1	R	S	12/17/2024	12/17/2024		356	1	0.047	1679				
2423229	92420 MB	UR	2"	534	Leak	Less than or equal to 60	1	R	S	12/17/2024			366		0.021	1137				
2423271	92274 DR	PC	1 1/2"	830	Leak	Less than or equal to 60	2	R	M	10/27/2024			366		0.115	1137				
2413143	92723 DR	UC	2"	5	Leak	Less than or equal to 60	1	R	S	6/1/2023	12/2/2024		307	523	0.047	1464				
2412126	92122 DR	P	2 1/2" CTS	238	Leak	Less than or equal to 60	2	R	M	12/18/2024	12/18/2024		328	232	0.115	6075				
2420227	92011 DR	UC	3/4"	802	Leak	Less than or equal to 60	1	R	S	12/18/2024	12/18/2024		313	1	0.115	4073				
2421976	92173 DR	P	2"	492	Leak	Less than or equal to 60	1	R	S	12/18/2024			366		0.115	1137				
2422243	92165 MB	P	3"	512	Leak	Less than or equal to 60	1	R	S	9/15/2024	12/1/2024		306	2	0.047	1439				
2423346	92402 MB	P	3/4"	536	Leak	Less than or equal to 60	1	R	S	11/1/2023			366		0.047	1721				
2417787	92207 MB	UC	2"	564	Leak	Less than or equal to 60	1	R	S	9/15/2024	12/17/2024		351	97	0.047	1621				
2422386	92335 MB	UR	2"	800	Leak	Less than or equal to 60	1	R	S	12/18/2024	12/18/2024		313	1	0.047	1600				
2404441	92324 DR	P	1 1/2" CTS	472	Leak	Less than or equal to 60	2	R	M	10/27/2024			313	308	0.115	10037				
2413174	92275 MB	UR	2"	1138	Leak	Less than or equal to 60	2	R	S	9/15/2024			366		0.047	1721				
2404972	92308 MB	UR	2"	837	Leak	Less than or equal to 60	2	R	S	10/27/2024			366		0.047	1721				
2413149	92047 DR	UC	3/4"	823	Leak	Less than or equal to 60	1	R	S	1/19/2024	1/19/2025		366	164	0.115	4223				
2414141	92338 DR	UC	3/4"	846	Leak	Less than or equal to 60	2	R	S	1/19/2025	1/19/2025		366	148	0.047	1721				
2403138	92002 MB	UR	3/4"	790	Leak	Less than or equal to 60	2	R	S	2/14/2024			366		0.021	1137				
2412082	92314 DR	UC	3/4"	837	Leak	Less than or equal to 60	1	R	S	1/19/2024	1/19/2025		366	49	0.047	1721				
2403894	92248 MB	PC	3"	538	Leak	Less than or equal to 60	2	R	S	30/4/2024			366		0.047	1721				
2402476	92142 DR	P	3/4"	757	Leak	Less than or equal to 60	1	R	S	12/18/2024	12/18/2024		366	1	0.115	3839				
2305113	92004 MB	UC	2"	863	Leak	Less than or equal to 60	3	R	S	12/18/2023			366		0.047	1721				
2402331	92165 MB	P	2"	544	Leak	Less than or equal to 60	1	R	S	12/18/2024	12/18/2024		346	2	0.115	10396				
2402008	92206 MB	UR		540	Leak	Less than or equal to 60	1	R	S	12/18/2024			366		0.047	1721				
2403101	92003 DR	UR	3/4"	920	Leak	Less than or equal to 60	2	R	S	9/24/2024			366		0.021	1137				
2402189	92241 DR	P	3/4"	762	Leak	Less than or equal to 60	1	R	S	9/26/2024	6/25/2024		366	110	0.047	1721				
2417027	91321 MB	P	2"	485	Leak	Less than or equal to 60	1	R	S	8/27/2024			366		0.021	1137				
2402702	92008 DR	P	Unknown	883	Leak	Less than or equal to 60	1	R	S	12/27/2023	1/9/2025		366		0.115	8				
2412137	92002 DR	UR	Unknown	765	Leak	Less than or equal to 60	2	R	S	6/7/2024			366		0.021	1137				
2413041	92156 MB	UC	3/4"	809	Leak	Less than or equal to 60	1	R	S	5/23/2023			366		0.115	3				
2404516	92245 DR	P	2"	840	Leak	Less than or equal to 60	1	R	S	2/27/2024			366		0.021	1137				
2402179	92176 MB	PC	2"	887	Leak	Less than or equal to 60	1	R	S	1/24/2024			366		0.047	1721				
2401870	92280 MB	PC	2"	551	Leak	Less than or equal to 60	2	R	S	1/24/2024			366		0.021	1137				
2403434	92005 MB	P	3"	426	Leak	Less than or equal to 60	1	R	S	12/18/2024	12/18/2024		313	1	0.115	13329				
2405178	92148 MB	UC	3/4"	750	Leak	Less than or equal to 60	1	R	S	4/16/2024	1/13/2025		366	275	0.115	1721				
2403139	92132 DR	UR	Unknown	735	Leak	Less than or equal to 60	2	R	S	7/2/2024			366		0.021	1137				
2327781	92180 MB	UC	2"	618	Leak	Less than or equal to 60	2	R	S	1/19/2024	12/14/2024		366		0.047	1600				
2403899	92164 MB	UR	2"	838	Leak	Less than or equal to 60	1	R	S	3/17/2024			366		0.021	1137				
2306111	92022 MB	P	3/4"	498	Leak	Less than or equal to 60	2	R	S	12/18/2024			366		0.115	1721				
2411841	92004 MB	UR	Unknown	576	Leak	Less than or equal to 60	2	R	S	9/8/2024			366		0.021	1137				
2411385	92003 DR	P	4"	185	Leak	Less than or equal to 60	1	R	S	5/29/2024	10/14/2024		366	139	0.047	1721				
2403488	92281 MB	P	1 1/2"	432	Leak	Less than or equal to 60	1	R	S	4/13/2024			366		0.021	1137				
2412750	92003 DR	P	3"	810	Leak	Less than or equal to 60	1	R	S	12/18/2024			366		0.047	1721				
2327316	92174 DR	UC	3/4"	804	Leak	Less than or equal to 60	2	R	S	12/28/2023	1/6/2025		366	375	0.047	1721				
2412448	92186 MB	P	3"	518	Leak	Less than or equal to 60	1	R	S	10/14/2024	1/16/2024		366		0.047	1721				
2422390	92026 DR	UC	3/4"	864	Leak	Less than or equal to 60	1	R	S	1/19/2024	1/16/2024		311	2	0.021	9973				
2307338	92002 MB	UR	2"	923	Leak	Less than or equal to 60	2	R	S	4/2/2024			366		0.021	1137				
2412202	92144 DR	P	Unknown	541	Leak	Less than or equal to 60	1	R	S	6/25/2024			366		0.047	1721				
2402129	92024 DR	UR	Unknown	1463	Leak	Less than or equal to 60	2	R	S	12/1/2023	1/14/2025		366		0.021	1137				
2406179	92007 DR	UC	3/4"	762	Leak	Less than or equal to 60	1	R	S	12/18/2024	1/14/2025		366	411	0.021	1137				
2403134	92142 MB	UC	2"	799	Leak	Less than or equal to 60	1	R	S	5/19/2024			366		0.021	1137				
2302227	92041 DR	P	2"	782	Leak	Less than or equal to 60	1	R	S	12/18/2024	1/17/2025		366		0.047	1721				
2414349	92003 DR	PC	3/4"	734	Leak	Less than or equal to 60	2	R	S	1/14/2024	1/17/2025		366	163	0.021	1137				
2414349	92003 DR	UR	Unknown	734	Leak	Less than or equal to 60	2	R	S	12/18/2024			366		0.115	1721				
2405201	92175 DR	UC	3/4"	885	Leak	Less than or equal to 60	1	R	S	3/19/2024			366	114	0.047	1721				
2404857	92309 DR	P	3"	603	Leak	Less than or equal to 60	1	R	S	12/18/2024	12/18/2024		366	201	0.047	1721				
2403899	92009 DR	P	Unknown	577	Leak	Less than or equal to 60	1	R	S	30/2/2024	10/2/2024		276	1	0.021	8851				
2402964	92169 MB	P	1 1/2" CTS	497	Leak	Less than or equal to 60	2	R	S	12/17/2024	1/4/2025		366		0.047	1721				
2403899	92308 DR	P	Unknown	557	Leak	Less than or equal to 60	3	R	S	4/1/2024			366		0.021	1137				
2309492	92040 DR	UC	3/4"	937	Leak	Less than or equal to 60	1	R	S	12/18/2023	1/14/2024		311	389	0.047	1509				
2313144	92107 MB	P	2"	1216	Leak	Less than or equal to 60	1	R	S	6/7/2024	7/19/2024		366	11	0.047	1721				
2405053	92007 DR	UC	Unknown	876	Leak	Less than or equal to 60	2	R	S	3/2/2024	1/13/2025		366	351	0.021	1137				
2406094	92082 DR	UR	Unknown	863	Leak	Less than or equal to 60	1	R	S	12/18/2024	1/13/2025		366		0.047	1721				
2414383	92045 MB	PR	2 1/2"	1027	Leak	Less than or equal to 60	1	R	S	3/19/2024			366		0.047	1721				
2402009	92046 DR	P	3"	927	Leak	Less than or equal to 60	1	R	S	10/2/2024	11/22/2024		366	177	0.047	1721				
2413558	92723 MB	P	2"	526	Leak	Less than or equal to 60	1	R	S	8/9/2024	20/7/2024		281	163	1.471	41302				
2412782	92186 MB	UC	3/4"	810	Leak	Less than or equal to 60	1	R	S	5/23/2024	1/24/2024		366		0.021	1137				
2417599	92041 DR	P	3/4"	869	Leak	Less than or equal to 60	1	R	S	9/4/2024	9/5/2024		249	2	0.047	1721				
2403899	92026 MB	PC	1 1/2"	470	Leak	Less than or equal to 60	2	R	S	9/24/2024			366		0.047	1721				
2412448	92186 MB	P	3"	518	Leak	Less than or equal to 60	1	R	S	12/17/2024	1/16/2024		366		0.047	1721				
2404448	92335 DR	P	4"	641	Leak	Less than or equal to 60	2	R	S	1/8/2024			366	1	0.047	1721				
2403139	92132 MB	P	2"	487	Leak	Less than or equal to 60	2	R	S	30/4/2024	12/20/2024		355	78	0.021	11384				
2413134	92054 MB	UC	2"	607	Leak															

00000	00000	P	0/0/2024	753	Less than or equal to 0.0	3	0	0	0	0/14/2024	366	0.047	17.21
00001	00001	UR	Unknown	950	Less than or equal to 0.0	3	0	0	0	2/22/2024	366	0.321	11.37
00002	00002	UR	Unknown	771	Less than or equal to 0.0	3	0	0	0	2/22/2024	366	0.047	17.21
00003	00003	P	1/2	560	Less than or equal to 0.0	2	0	0	0	1/4/2024	366	0.321	11.37
00004	00004	UR	Unknown	870	Less than or equal to 0.0	3	0	0	0	1/20/2024	366	0.047	17.21
00005	00005	UR	Unknown	721	Less than or equal to 0.0	3	0	0	0	2/27/2024	366	0.321	11.37
00006	00006	P	0/0	803	Less than or equal to 0.0	3	0	0	0	9/26/2024	366	0.047	17.21
00007	00007	UR	Unknown	897	Less than or equal to 0.0	3	0	0	0	9/27/2024	366	0.047	17.21
00008	00008	UR	Unknown	882	Less than or equal to 0.0	3	0	0	0	10/30/2024	366	0.047	17.21
00009	00009	UR	Unknown	136	Less than or equal to 0.0	2	0	0	0	11/18/2024	366	0.047	17.21
00010	00010	P	1/2	710	Less than or equal to 0.0	3	0	0	0	6/19/2024	366	0.047	17.21
00011	00011	UR	Unknown	893	Less than or equal to 0.0	3	0	0	0	6/19/2024	366	0.047	17.21
00012	00012	UR	Unknown	882	Less than or equal to 0.0	3	0	0	0	10/12/2024	366	0.047	17.21
00013	00013	UR	Unknown	1187	Less than or equal to 0.0	3	0	0	0	1/18/2024	366	0.115	42.23
00014	00014	P	1/2	499	Less than or equal to 0.0	3	0	0	0	1/18/2024	366	0.047	17.21
00015	00015	UR	Unknown	544	Less than or equal to 0.0	3	0	0	0	1/18/2024	366	0.047	17.21
00016	00016	UR	Unknown	1197	Less than or equal to 0.0	3	0	0	0	6/12/2024	366	0.321	11.37
00017	00017	UR	Unknown	875	Less than or equal to 0.0	3	0	0	0	4/15/2024	366	0.047	17.21
00018	00018	P	0/0	512	Less than or equal to 0.0	2	0	0	0	9/16/2024	366	0.321	11.37
00019	00019	P	0/0	890	Less than or equal to 0.0	3	0	0	0	7/29/2024	366	0.321	11.37
00020	00020	PC	0/0	793	Less than or equal to 0.0	3	0	M	0	1/14/2024	293	0.047	17.21
00021	00021	P	1/2	527	Less than or equal to 0.0	3	0	0	0	4/2/2024	366	0.047	17.21
00022	00022	UR	Unknown	900	Less than or equal to 0.0	3	0	0	0	4/2/2024	366	0.047	17.21
00023	00023	PC	1/2	842	Less than or equal to 0.0	3	0	0	0	4/2/2024	366	0.047	17.21
00024	00024	P	0/0	729	Less than or equal to 0.0	3	0	0	0	6/12/2024	366	0.321	11.37
00025	00025	UR	Unknown	950	Less than or equal to 0.0	3	0	0	0	10/12/2024	366	0.047	17.21
00026	00026	UR	Unknown	1180	Less than or equal to 0.0	3	0	0	0	1/18/2024	366	0.047	17.21
00027	00027	UR	Unknown	851	Less than or equal to 0.0	3	0	0	0	9/12/2024	366	0.047	17.21
00028	00028	UR	Unknown	893	Less than or equal to 0.0	3	0	0	0	6/12/2024	366	0.047	17.21
00029	00029	P	1/2	553	Less than or equal to 0.0	3	0	0	0	5/26/2024	366	0.047	17.21
00030	00030	UR	Unknown	913	Less than or equal to 0.0	3	0	0	0	2/29/2024	366	0.047	17.21
00031	00031	PC	1/2	288	Less than or equal to 0.0	3	0	0	0	1/16/2024	366	0.115	42.23
00032													

2432009	91207	DB	UR	3/4"	950	Less than or equal to 60	3	R	S	11/18/2004	366	0.047	17.21	
2432102	91237	MH	UR	3/4"	770	Less than or equal to 60	2	R	S	8/6/2004	366	0.047	17.21	
2432161	91616	MH	UR	2"	891	Less than or equal to 60	3	R	S	8/6/2004	366	0.321	11.37	
2432160	91307	DB	UR	3/4"	826	Less than or equal to 60	3	R	S	8/6/2004	366	0.321	11.37	
2431791	90731	MH	UR	3/4"		Less than or equal to 60	3	R	S	7/2/2004	366	0.047	17.21	
2432134	91735	MH	Unknown			Less than or equal to 60	3	R	S	11/20/2003	366	0.047	17.21	
2432112	90312	MH	UR	3/4"	1211	Less than or equal to 60	2	R	S	2/10/2004	366	0.047	17.21	
2432209	90312	MH	PC	2"		Less than or equal to 60	2	R	S	10/12/2004	366	0.115	42.23	
2431199	91054	MH	UR	3/4"	784	Less than or equal to 60	3	R	S	8/28/2004	366	0.018	6.79	
2431075	90320	MH	PC	8/4"	800	Greater than 60	2	R	S	9/22/2004	366	0.047	17.21	
2430887	90313	MH	UR	3/4"	846	Less than or equal to 60	3	R	S	2/20/2004	366	0.047	17.21	
2432023	91716	MH	UR	3/4"	1134	Less than or equal to 60	3	R	S	11/10/2004	366	0.047	17.21	
2430973	90313	DB	PC	3/4"		Less than or equal to 60	3	R	S	11/10/2004	366	0.047	17.21	
2431656	91207	MH	P	2"	539	Less than or equal to 60	3	R	S	8/20/2004	366	0.115	42.23	
2431437	91706	MH	P	2"		Less than or equal to 60	3	R	S	8/21/2004	366	0.047	17.21	
2431437	91763	MH	UR	2"	827	Less than or equal to 60	3	R	S	11/16/2004	366	0.047	17.21	
2431436	91230	MH	UR	3/4"	793	Less than or equal to 60	2	R	S	10/27/2004	366	0.047	17.21	
2431658	90305	DB	PC	2"	838	Less than or equal to 60	3	R	S	8/25/2004	366	0.047	17.21	
2431431	91780	MH	UR	2"	1115	Less than or equal to 60	2	R	S	11/21/2004	366	0.321	11.37	
2431565	91050	DB	PC	3/4"	891	Less than or equal to 60	3	R	S	2/21/2004	366	0.047	17.21	
2431613	91343	DB	UR	3/4"	817	Less than or equal to 60	3	R	S	8/21/2004	366	0.321	11.37	
2431484	91060	MH	UR	2"	1115	Less than or equal to 60	2	R	S	8/20/2004	366	0.321	11.37	
2431200	91232	DB	P	2"	508	Less than or equal to 60	3	R	S	6/20/2004	366	0.047	17.21	
2432411	91222	DB	UR	3/4"	854	Less than or equal to 60	3	R	S	11/20/2004	366	0.047	17.21	
2431549	91128	MH	UR	4"	1215	Less than or equal to 60	3	R	S	1/10/2004	366	0.047	17.21	
2431020	91707	DB	UR	3/4"		Less than or equal to 60	3	R	S	11/21/2004	366	0.047	17.21	
2432413	91105	MH	P	4"	508	Less than or equal to 60	2	R	S	11/22/2004	366	0.047	17.21	
2431636	91707	DB	UR	3/4"	793	Less than or equal to 60	2	R	S	10/27/2004	366	0.047	17.21	
2431437	91737	DB	UR	3/4"		Less than or equal to 60	3	R	S	8/2/2004	366	0.047	17.21	
2431225	91707	MH	P	2"	408	Less than or equal to 60	3	R	S	6/25/2004	366	0.047	17.21	
2431636	91131	DB	UR	3/4"	838	Less than or equal to 60	3	R	S	8/21/2004	366	0.047	17.21	
2431516	90320	DB	PC	2"	473	Less than or equal to 60	3	R	S	3/6/2004	366	0.047	17.21	
2431461	91030	MH	UR	2"	1051	Less than or equal to 60	2	R	S	11/21/2004	366	0.321	11.37	
2431980	91763	MH	UR	2"	899	Less than or equal to 60	3	R	S	9/10/2004	366	0.047	17.21	
2431191	91232	MH	UR	3/4"		Less than or equal to 60	3	R	S	7/20/2004	366	0.321	11.37	
2431200	90902	DB	UR	3/4"	774	Less than or equal to 60	3	R	S	10/14/2004	366	0.047	17.21	
2431011	91108	MH	PC	1"	870	Less than or equal to 60	3	R	S	10/10/2004	366	0.047	17.21	
2432736	91235	MH	UR	2"	789	Less than or equal to 60	3	R	S	11/17/2003	366	0.321	11.37	
2431422	91003	MH	UR	2"	860	Less than or equal to 60	3	R	S	4/27/2004	366	0.047	17.21	
2431572	91132	MH	PC	1/2"	569	Less than or equal to 60	3	R	S	8/1/2004	366	0.321	11.37	
2431634	91616	DB	P	1"	17	Less than or equal to 60	3	R	S	11/21/2004	366	0.047	17.21	
2432713	90335	MH	PB	8"	1022	Less than or equal to 60	2	R	S	11/20/2004	366	0.321	11.37	
2431987	91230	MH	PC	6"	838	Less than or equal to 60	3	R	S	10/1/2004	366	0.047	17.21	
2432186	91231	MH	UR	2"	1190	Less than or equal to 60	2	R	S	11/21/2004	366	0.047	17.21	
2432447	90902	MH	UR	3/4"	899	Less than or equal to 60	3	R	S	11/2/2004	366	0.047	17.21	
2432000	91405	MH	UR	2"	908	Less than or equal to 60	3	R	S	2/8/2004	366	0.047	17.21	
2432242	91311	MH	P	2"	587	Less than or equal to 60	2	R	S	11/2/2004	366	0.047	17.21	
2434702	91712	MH	UR	3/4"	894	Less than or equal to 60	3	R	S	11/21/2004	366	0.047	17.21	
2432018	91104	MH	P	2"		Less than or equal to 60	2	R	S	11/2/2004	366	0.047	17.21	
2432724	90077	DB	UR	3/4"	842	Less than or equal to 60	3	R	S	11/27/2004	366	0.047	17.21	
2431740	91746	MH	PC	4"	743	Less than or equal to 60	3	R	S	9/6/2004	366	0.047	17.21	
2431736	90320	MH	UR	3/4"	812	Less than or equal to 60	3	R	S	8/21/2004	366	0.047	17.21	
2431740	91762	MH	UR	2"	839	Less than or equal to 60	3	R	S	5/10/2004	366	0.321	11.37	
2431680	90902	MH	UR	3/4"	542	Less than or equal to 60	3	R	S	10/27/2004	366	0.047	17.21	
2431651	91207	MH	UR	2"		Less than or equal to 60	2	R	S	11/27/2003	366	7	11.37	
2431953	91208	DB	UR	3/4"	693	Less than or equal to 60	2	R	S	11/1/2004	366	0.115	42.23	
2431736	91108	MH	P	1"		Less than or equal to 60	3	R	S	8/27/2003	366	0.115	42.23	
2432426	91280	DB	UR	3/4"	901	Less than or equal to 60	3	R	S	11/21/2003	337	378	0.047	15.85
2431665	91230	DB	UR	3/4"	1109	Less than or equal to 60	3	R	S	11/21/2003	366	0.110	39.00	
2432411	91773	MH	UR	2"	779	Less than or equal to 60	3	R	S	11/21/2003	366	0.321	11.37	
2432412	91402	MH	UR	3/4"	787	Less than or equal to 60	2	R	S	11/27/2003	366	0.321	11.37	
2431798	91404	MH	UR	2"	924	Less than or equal to 60	2	R	S	8/22/2004	366	0.321	11.37	
2431763	90303	MH	P	3/4"	87	Less than or equal to 60	2	R	S	4/20/2004	366	0.047	17.21	
2432408	91230	DB	PC	1/2"	143	Less than or equal to 60	3	R	S	11/29/2004	366	0.321	11.37	
2432411	91235	DB	PC	1/2"	712	Less than or equal to 60	3	R	S	11/29/2004	366	0.321	11.37	
2432408	91235	MH	P	2"	516	Less than or equal to 60	3	R	S	8/22/2004	366	0.047	17.21	
2432770	91054	MH	PC	2"	961	Less than or equal to 60	3	R	S	11/21/2004	366	0.047	17.21	
2431763	91367	MH	P	2"	543	Less than or equal to 60	3	R	S	7/2/2004	293	110	0.321	9.96
2432114	91705	MH	P	3"	518	Less than or equal to 60	3	R	S	3/6/2004	366	0.321	11.37	
2431773	91006	MH	UR	3/4"	951	Less than or equal to 60	3	R	S	5/21/2004	366	0.047	17.21	
2431674	90305	MH	UR	3/4"	872	Less than or equal to 60	2	R	S	8/2/2004	366	0.047	17.21	
2432122	91236	DB	UR	3/4"	882	Less than or equal to 60	3	R	S	8/2/2004	366	0.047	17.21	
2431813	91224	MH	UR	4"	1037	Less than or equal to 60	3	R	S	9/16/2004	366	0.321	11.37	
2431841	91230	MH	UR	3/4"	890	Less than or equal to 60	3	R	S	9/16/2004	366	0.047	17.21	
2431791	90304	DB	UR	3/4"	887	Less than or equal to 60	3	R	S	4/18/2004	366	0.321	11.37	
2431380	91705	DB	UR	3/4"	713	Less than or equal to 60	3	R	S	9/16/2004	366	0.047	17.21	
2431793	91740	MH	UR	3/4"	818	Less than or equal to 60	3	R	S	9/11/2004	366	0.047	17.21	
2431974	91717	MH	UR	3/4"	430	Less than or equal to 60	3	R	S	10/27/2004	366	0.047	17.21	
2431689	91054	DB	UR	3/4"	781	Less than or equal to 60	3	R	S	3/1/2004	366	0.047	17.21	
2431689	90306	MH	P	2"	544	Less than or equal to 60	3	R	S	11/21/2004	366	0.321	11.37	
2431646	91721	MH	UR	2"	863	Less than or equal to 60	3	R	S	8/1/2004	366	0.321	11.37	
2431149	91405	MH	UR	2"	1174	Less than or equal to 60	3	R	S	9/1/2004	366	0.321	11.37	
2432125	91404	MH	UR	2"	787	Less than or equal to 60	3	R	S	10/2/2004	366	0.047	17.21	
2432122	91024	MH	UR	3/4"	799	Less than or equal to 60	3	R	S	1/1/2004	366	0.047	17.21	
2432089	90311	MH	UR	3/4"	422	Less than or equal to 60	3	R	S	11/21/2004	366	0.047	17.21	
2431887	91722	MH	PC	2"	779	Less than or equal to 60	3	R	S	9/16/2004	366	0.047	17.21	
2432411	90302	MH	UR	3/4"	87	Less than or equal to 60	3	R	S	11/21/2004	366	0.047	17.21	
2431935	90309	MH	P	2"	497	Less than or equal to 60	2	R	S	2/15/2004	311	266	0.047	14.62
2431891	91105	DB	UR	3/4"	146	Less than or equal to 60	2	R	S	11/21/2004	366	0.321	11.37	
2431766	91702	MH	UR	3/4"		Less than or equal to 60	2	R	S	4/1/2004	366	0.047	17.21	
2431754	91616	DB	UR	3/4"	266	Less than or equal to 60	2	R	S	2/10/2004	366	0.047	17.21	
2431872	91367	MH	UR	3/4"	847	Less than or equal to 60	3	R	M	9/16/2004	105	0.047	4.94	
2431678	91244	MH	P	2"		Less than or equal to 60	3	R	S	10/21/2004	366	0.047	17.21	
2431771	91702	MH	UR	2"	1117	Less than or equal to 60	3	R	S	11/1/2003	366	0.047	17.21	
2431810	91230	DB	UR	3/4"	868	Less than or equal to 60	2	R	S	5/7/2004	366	0.047	17.21	
2431879	91014	MH	UR	3/4"	797	Less than or equal to 60	3	R	S	10/10/2004	366	0.321	11.37	
2431804	90322	MH	P	2"	840	Less than or equal to 60	3	R	S	8/2/2004	366	0.047	17.21	
2431422	90303	MH	UR	3/4"	894	Less than or equal to 60	3	R	S	7/20/2004	366	0.047	17.21	
2431807	91240	MH	PC	2"	815	Less than or equal to 60	2	R	S	9/16/2004	366	0.047	17.21	
243														

242542	9338 MS	P	1/2"	949	Less than or equal to 0.0	2	0	5	12/25/2024	365		0.047	17.21
242543	9331 MS	PC	3/4"	946	Less than or equal to 0.0	2	0	5	12/20/2024	365		0.115	42.28
242544	9334 MS	PC	3/4"	932	Less than or equal to 0.0	2	0	5	12/20/2024	365		0.121	11.37
242506	93047 MS	PC	2"	396	Less than or equal to 0.0	2	0	5	6/28/2024	365		0.115	42.28
242507	93048 MS	PC	2"	397	Less than or equal to 0.0	2	0	5	6/28/2024	365		0.047	17.21
242485	91755 MS	PC	3/4"	874	Less than or equal to 0.0	2	0	5	6/11/2024	365		0.121	11.37
242498	90222 MS	PC	2"	484	Less than or equal to 0.0	2	0	5	4/6/2024	365		0.047	17.21
242470	91371 MS	PC	2"	3029	Less than or equal to 0.0	2	0	5	6/2/2024	365		0.047	17.21
242226	91246 MS	P	1"	546	Less than or equal to 0.0	2	0	5	12/20/2024	365		0.047	17.21
242160	92318 MS	UC	3/4"	144	Less than or equal to 0.0	2	0	5	6/1/2024	365		0.047	17.21
242071	90206 MS	PC	2"	889	Less than or equal to 0.0	2	0	5	12/20/2024	365		0.047	17.21
242143	90044 MS	PC	2"	1151	Less than or equal to 0.0	2	0	5	7/28/2024	365		0.115	42.28
240440	91038 MS	UB	4"	1201	Less than or equal to 0.0	2	0	5	2/13/2024	365		0.047	17.21
240763	91703 MS	P	1/2"	149	Less than or equal to 0.0	2	0	5	4/9/2024	365		0.117	11.37
243176	91775 MS	P	1/2"	560	Less than or equal to 0.0	2	0	5	7/19/2024	365		0.117	11.37
243180	91780 MS	P	1/2"	561	Less than or equal to 0.0	2	0	5	7/19/2024	365		0.117	11.37
243181	92281 MS	P	2"	490	Less than or equal to 0.0	2	0	5	7/19/2024	365		0.047	17.21
243182	92282 MS	P	2"	491	Less than or equal to 0.0	2	0	5	7/19/2024	365		0.047	17.21
243143	91738 MS	P	1/2"	534	Less than or equal to 0.0	2	0	5	7/31/2024	365		0.047	17.21
242783	92348 MS	P	2"	501	Less than or equal to 0.0	2	0	5	4/20/2024	365		0.121	11.37
243140	92411 MS	UB	2"	1201	Less than or equal to 0.0	2	0	5	5/14/2024	365		0.047	17.21
240485	91504 MS	UB	2"	930	Less than or equal to 0.0	2	0	5	12/20/2024	365		0.121	11.37
240486	91505 MS	UB	2"	931	Less than or equal to 0.0	2	0	5	12/20/2024	365		0.117	11.37
240487	91506 MS	UB	2"	932	Less than or equal to 0.0	2	0	5	12/20/2024	365		0.047	17.21
240488	91481 MS	UB	2"	1101	Less than or equal to 0.0	2	0	5	12/20/2024	365		0.047	17.21
240489	91482 MS	UB	2"	1102	Less than or equal to 0.0	2	0	5	12/20/2024	365		0.047	17.21
243975	91375 MS	UC	2"	830	Less than or equal to 0.0	2	0	5	12/20/2024	365		0.047	17.21
243776	91086 MS	PC	2"	876	Less than or equal to 0.0	2	0	5	6/28/2024	365		0.047	17.21
240900	90005 MS	PC	4"	896	Less than or equal to 0.0	2	0	5	9/29/2024	365		0.115	42.28
240901	90006 MS	PC	4"	897	Less than or equal to 0.0	2	0	5	9/29/2024	365		0.047	17.21
240902	90007 MS	PC	4"	898	Less than or equal to 0.0	2	0	5	9/29/2024	365		0.047	17.21
240903	90008 MS	PC	4"	899	Less than or equal to 0.0	2	0	5	9/29/2024	365		0.047	17.21
240904	90009 MS	PC	4"	900	Less than or equal to 0.0	2	0	5	9/29/2024	365		0.0	

2020725	9511	MS	UC	3/4"	735	Less than or equal to 10.0	2	0	5	10/21/2024	365	0.047	17.21
2020828	9068	MS	F	3/4"	735	Less than or equal to 10.0	2	0	5	10/21/2024	365	0.047	17.21
2020830	9068	MS	F	3/4"	735	Less than or equal to 10.0	2	0	5	10/21/2024	365	0.047	17.21
2020895	9170	MS	UC	2"	879	Less than or equal to 10.0	2	0	5	5/6/2024	365	0.047	17.21
2021864	9170	MS	UC	2"	879	Less than or equal to 10.0	2	0	5	5/6/2024	365	0.047	17.21
2021876	9223	MS	P	2"	778	Less than or equal to 10.0	2	0	5	8/20/2024	365	0.047	17.21
2021533	9227	MS	P	1/2"	551	Less than or equal to 10.0	2	0	5	1/2/2024	365	0.047	17.21
2021544	9227	MS	P	1/2"	471	Less than or equal to 10.0	2	0	5	8/21/2024	365	0.047	17.21
2021851	9228	MS	PC	3"	881	Less than or equal to 10.0	2	0	5	1/2/2024	365	0.047	17.21
2021856	9114	MS	UB	3/4"	851	Less than or equal to 10.0	2	0	5	7/25/2024	365	0.115	42.29
2021861	9061	MS	UC	2"	507	Less than or equal to 10.0	2	0	5	1/2/2024	365	0.031	11.37
2021864	9021	MS	P	2"	507	Less than or equal to 10.0	2	0	5	1/2/2024	365	0.031	11.37
2021876	9114	MS	UB	3/4"	731	Less than or equal to 10.0	2	0	5	4/24/2024	365	0.047	17.21
2021886	9108	MS	PC	3"	881	Less than or equal to 10.0	2	0	5	6/13/2024	365	0.047	17.21
2021893	9170	MS	P	1/2"	468	Less than or equal to 10.0	2	0	5	1/2/2024	365	0.031	11.37
2021922	9071	MS	UB	3/4"	881	Less than or equal to 10.0	2	0	5	6/23/2024	365	0.047	17.21
2021970	9170	MS	P	3/4"	998	Less than or equal to 10.0	2	0	5	11/2/2023	365	0.047	17.21
2021973	9170	MS	UB	4"	1113	Less than or equal to 10.0	2	0	5	5/1/2024	365	0.047	17.21
2021988	9208	MS	PC	3/4"	575	Less than or equal to 10.0	2	0	5	9/20/2024	365	0.031	11.37
2022440	9223	MS	P	1/2"	475	Less than or equal to 10.0	2	0	5	11/18/2024	365	0.047	17.21
2022454	9124	MS	UC	3/4"	672	Less than or equal to 10.0	2	0	5	9/25/2024	365	0.121	43.47
2022455	9168	MS	FB	2"	938	Less than or equal to 10.0	2	0	5	11/22/2024	365	0.047	17.21
2022456	9002	MS	UB	8"	1116	Less than or equal to 10.0	2	0	5	10/1/2024	365	0.047	17.21
2027823	9121	MS	PC	1/2"	358	Less than or equal to 10.0	2	0	5	4/1/2024	365	0.031	11.37
2027831	9121	MS	P	3/4"	388	Less than or equal to 10.0	2	0	5	8/26/2024	365	0.047	17.21
2028078	9169	MS	P	1/2"	449	Less than or equal to 10.0	2	0	5	11/29/2024	365	0.047	17.21
2028107	9071	MS	UC	1 1/4"	688	Less than or equal to 10.0	2	0	5	5/1/2024	365	0.047	17.21
2028475	9170	MS	PC	3"	688	Less than or equal to 10.0	2	0	5	12/2/2024	365	0.047	17.21
2028575	9170	MS	PC	1/2"	468	Less than or equal to 10.0	2	0	5	11/2/2024	365	0.031	11.37
2028717	9208	MS	PC	4"	748	Less than or equal to 10.0	2	0	5	11/19/2024	365	0.047	17.21
2028718	9208	MS	UB	4"	888	Less than or equal to 10.0	2	0	5	5/1/2024	365	0.047	17.21
2027789	9022	MS	PC	2"	537	Less than or equal to 10.0	2	0	5	4/1/2024	365	0.031	11.37
2028059	9170	MS	UB	1									

2418867	92404	MB	UC	3/4"	876	Less than or equal to 80	3	R	S	9/18/2004	366	0.047	17.21
2419347	92392	MB	UR	3/4"	876	Less than or equal to 80	3	R	S	9/18/2004	366	0.115	42.23
2424444	90221	MB	UR	2"	908	Less than or equal to 80	3	R	S	12/29/2004	366	0.321	117.37
2421236	92398	MB	P	3/4"	876	Less than or equal to 80	3	R	S	9/18/2004	366	0.047	17.21
2421202	92364	MB	UC	3/4"	851	Less than or equal to 80	3	R	S	12/13/2004	366	0.047	17.21
2420256	92320	MB	UC	3/4"	885	Less than or equal to 80	2	R	S	3/7/2004	366	0.047	17.21
2409117	91311	MB	PC	1/2"	629	Less than or equal to 80	3	R	S	12/10/2004	366	0.321	117.37
2421760	90731	MB	P	3/4"	795	Less than or equal to 80	2	R	S	7/9/2004	366	0.047	17.21
2417880	91707	MB	PC	3/4"	881	Less than or equal to 80	3	R	S	9/4/2004	366	0.047	17.21
2403416	90222	MB	PC	3/4"	782	Less than or equal to 80	3	R	M	1/12/2004	349	0.047	16.40
2408020	92334	MB	P	3/4"	887	Less than or equal to 80	3	R	S	9/12/2004	366	0.083	18.86
2402468	91770	MB	P	1/2"	446	Less than or equal to 80	3	R	S	2/2/2004	366	0.047	17.21
2407900	91506	MB	PC	3/4"	856	Less than or equal to 80	3	R	S	9/12/2004	366	0.047	17.21
2404900	90320	MB	P	3/4"	843	Less than or equal to 80	3	R	M	12/16/2004	366	0.047	17.21
2413100	91602	MB	P	3/4"	870	Less than or equal to 80	3	R	S	9/12/2004	366	0.321	117.37
2405137	92780	MB	P	3/4"	519	Less than or equal to 80	3	R	S	3/9/2004	366	0.047	17.21
2421213	90222	MB	UC	3/4"	897	Less than or equal to 80	3	R	S	9/18/2004	366	0.047	17.21
2417185	90604	MB	PC	3/4"	287	Less than or equal to 80	3	R	S	8/30/2004	366	0.047	17.21
2417102	92332	MB	PC	3/4"	277	Less than or equal to 80	2	R	S	8/7/2004	366	0.321	117.37
2409188	90002	MB	PC	1/2"	231	Less than or equal to 80	2	R	S	9/12/2004	366	0.047	17.21
2403807	90391	MB	UR	2"	1015	Less than or equal to 80	2	R	S	10/2/2004	366	0.321	117.37
2404979	92202	MB	P	1/2"	496	Less than or equal to 80	3	R	S	7/5/2004	366	0.321	117.37
2405782	95945	MB	PC	3/4"	735	Less than or equal to 80	3	R	S	3/14/2004	366	0.047	17.21
2406276	91720	MB	UC	3/4"	847	Less than or equal to 80	3	R	S	9/20/2004	366	0.047	17.21
2412013	90010	MB	UC	2"	785	Less than or equal to 80	3	R	S	6/7/2004	366	0.006	2.30
2417183	92330	MB	UR	2"	876	Less than or equal to 80	3	R	S	9/18/2004	366	0.047	17.21
2417149	90260	MB	PC	3/4"	671	Less than or equal to 80	3	R	S	7/9/2004	366	0.321	117.37
2412381	92857	MB	UR	3/4"	568	Less than or equal to 80	3	R	S	12/10/2004	366	0.047	17.21
2403217	90800	MB	PC	1/2"	592	Less than or equal to 80	3	R	S	1/24/2004	366	0.115	42.23
2422108	92344	MB	PC	2"	706	Less than or equal to 80	3	R	S	11/17/2004	366	0.347	127.51
2401461	91042	MB	UR	2"	1163	Less than or equal to 80	3	R	S	5/12/2004	366	0.115	42.23
2424094	91001	MB	UR	2"	1011	Less than or equal to 80	3	R	S	11/17/2004	366	0.321	117.37
2408800	91764	MB	UR	3/4"	735	Less than or equal to 80	3	R	S	4/19/2004	366	0.047	17.21
2406987	92337	MB	P	1/2"	541	Less than or equal to 80	3	R	S	9/30/2004	366	0.047	17.21
2413125	91776	MB	UR	Unknown	581	Less than or equal to 80	3	R	S	9/30/2004	366	0.047	17.21
2409116	92277	MB	PC	3/4"	846	Less than or equal to 80	3	R	S	9/18/2004	366	0.047	17.21
2403712	91786	MB	UC	3/4"	811	Less than or equal to 80	3	R	S	2/14/2004	366	0.047	17.21
2421208	91006	MB	UC	3/4"	85	Less than or equal to 80	2	R	S	9/20/2004	366	0.115	42.23
2422005	90204	MB	PC	3/4"	562	Less than or equal to 80	2	R	S	10/13/2004	366	0.321	117.37
2424230	91138	MB	P	3/4"	846	Less than or equal to 80	3	R	S	12/12/2004	366	0.047	17.21
2417079	91945	MB	P	3/4"	537	Less than or equal to 80	3	R	S	9/7/2004	366	0.321	117.37
2422111	92700	MB	P	3/4"	719	Less than or equal to 80	3	R	S	12/12/2004	366	0.047	17.21
2402706	91204	MB	UR	3/4"	1206	Less than or equal to 80	3	R	S	9/12/2004	366	0.115	42.23
2412123	92335	MB	UR	2"	925	Less than or equal to 80	2	R	S	10/22/2004	366	0.321	117.37
2412141	91780	MB	PC	3/4"	947	Less than or equal to 80	3	R	S	9/12/2004	366	0.047	17.21
2401611	90278	MB	UC	3/4"	694	Less than or equal to 80	3	R	M	8/19/2004	175	0.115	15.58
2400886	91311	MB	P	1/2"	127	Less than or equal to 80	3	R	S	5/6/2004	366	0.047	17.21
2415413	91010	MB	UR	3/4"	1247	Less than or equal to 80	3	R	S	8/1/2004	366	0.115	42.23
2404465	92840	MB	PC	3/4"	1185	Less than or equal to 80	2	R	S	9/12/2004	366	0.047	17.21
2403148	91702	MB	UC	2"	707	Less than or equal to 80	3	R	S	2/9/2004	366	0.047	17.21
2411113	91011	MB	UC	3/4"	839	Less than or equal to 80	3	R	S	9/18/2004	366	0.115	42.23
2403148	91744	MB	PC	2"	839	Less than or equal to 80	3	R	S	2/13/2004	366	0.047	17.21
2407189	90380	MB	PC	3/4"	477	Less than or equal to 80	3	R	S	4/19/2004	366	0.321	117.37
2409474	90846	MB	UR	3/4"	1144	Less than or equal to 80	3	R	S	5/2/2004	366	0.047	17.21
2408081	91107	MB	UC	3/4"	745	Less than or equal to 80	3	R	S	10/7/2004	366	0.321	117.37
2402004	90603	MB	UR	3/4"	812	Less than or equal to 80	3	R	S	12/10/2004	366	0.047	17.21
2401411	91707	MB	UC	2"	875	Less than or equal to 80	3	R	S	1/16/2004	366	0.047	17.21
2412104	91841	MB	PC	3/4"	836	Less than or equal to 80	3	R	S	10/20/2004	366	0.321	117.37
2404832	90232	MB	P	1/2"	847	Less than or equal to 80	3	R	S	12/12/2004	366	0.115	42.23
2412170	90227	MB	UC	3/4"	843	Less than or equal to 80	3	R	S	9/18/2004	366	0.047	17.21
2415129	90001	MB	P	2"	541	Less than or equal to 80	2	R	S	7/30/2004	366	0.047	17.21
2411152	90500	MB	UC	3/4"	925	Less than or equal to 80	3	R	S	9/12/2004	366	0.321	117.37
2412971	92509	MB	PC	1/2"	52	Less than or equal to 80	3	R	S	10/28/2004	366	0.047	17.21
2412919	90232	MB	UC	3/4"	899	Less than or equal to 80	3	R	S	10/14/2004	366	0.115	42.23
2409389	90042	MB	PC	1/2"	721	Less than or equal to 80	3	R	S	1/22/2004	366	0.115	42.23
2412129	91754	MB	PC	3/4"	609	Less than or equal to 80	3	R	S	9/2/2004	366	0.047	17.21
2404553	91789	MB	PC	3/4"	535	Less than or equal to 80	2	R	S	12/12/2004	366	0.115	42.23
2414000	91214	MB	PC	1/2"	862	Less than or equal to 80	3	R	S	7/24/2004	366	0.115	42.23
2418187	91762	MB	UR	3/4"	863	Less than or equal to 80	3	R	S	9/12/2004	366	0.047	17.21
2425742	92274	MB	P	1/2"	287	Less than or equal to 80	3	R	S	12/11/2004	366	0.321	117.37
2407185	92322	MB	P	3/4"	490	Less than or equal to 80	3	R	S	9/12/2004	366	0.321	117.37
2409125	91770	MB	UC	2"	778	Less than or equal to 80	3	R	S	5/1/2004	366	0.047	17.21
2417197	92000	MB	UR	3/4"	700	Less than or equal to 80	3	R	S	7/6/2004	366	0.047	17.21
2403810	90042	MB	UC	3/4"	814	Less than or equal to 80	3	R	S	12/12/2004	366	0.115	42.23
2401090	91746	MB	UC	3/4"	839	Less than or equal to 80	2	R	S	10/14/2004	366	0.047	17.21
2413008	90277	MB	UR	3/4"	1149	Less than or equal to 80	2	R	S	7/26/2004	366	0.047	17.21
2412123	91718	MB	P	3/4"	762	Less than or equal to 80	3	R	S	10/7/2004	366	0.047	17.21
2404510	91460	MB	UC	3/4"	742	Less than or equal to 80	2	R	S	11/17/2004	366	0.047	17.21
2425189	91712	MB	UC	2"	863	Less than or equal to 80	3	R	S	12/10/2004	366	0.047	17.21
2412114	91741	MB	P	3/4"	516	Less than or equal to 80	3	R	S	8/14/2004	366	0.321	117.37
2425143	90200	MB	PC	1/2"	730	Less than or equal to 80	2	R	S	12/12/2004	366	0.047	17.21
2401284	91006	MB	PC	3/4"	929	Less than or equal to 80	3	R	S	9/12/2004	366	0.321	117.37
231895	92555	MB	UR	3/4"	908	Less than or equal to 80	3	R	S	9/12/2004	366	0.047	17.21
2422426	91008	MB	P	1/2"	516	Less than or equal to 80	3	R	S	11/10/2004	366	0.047	17.21
2320587	90501	MB	UR	2"	932	Less than or equal to 80	2	R	S	12/12/2003	366	0.047	17.21
2404118	91764	MB	PC	3/4"	899	Less than or equal to 80	3	R	S	7/12/2004	366	0.047	17.21
2409137	91011	MB	UR	2"	1193	Less than or equal to 80	3	R	S	5/1/2004	366	0.115	42.23
2412764	91746	MB	PC	3/4"	911	Less than or equal to 80	2	R	S	9/12/2004	366	0.047	17.21
2417103	91387	MB	P	3/4"	436	Less than or equal to 80	2	R	S	8/29/2004	366	0.047	17.21
2414765	91600	MB	P	3/4"	490	Less than or equal to 80	3	R	S	7/18/2004	366	0.047	17.21
2409609	90400	MB	UR	3/4"	901	Less than or equal to 80	3	R	S	5/9/2004	366	0.040	14.70
2412133	91710	MB	P	3/4"	430	Less than or equal to 80	3	R	S	6/16/2004	366	0.047	17.21
2409000	91767	MB	UR	3/4"	490	Less than or equal to 80	3	R	S	1/10/2004	366	0.047	17.21
2414735	90000	MB	UR	2"	1163	Less than or equal to 80	3	R	S	7/22/2004	366	0.321	117.37
2407187	91607	MB	PC	3/4"	1010	Less than or equal to 80	3	R	S	4/19/2004	366	0.321	117.37
2413139	90498	MB	P	1/2"	87	Less than or equal to 80	2	R	S	7/13/2004	366	0.321	117.37
2408171	92377	MB	P	3/4"	801	Less than or equal to 80	3	R	S	8/10/2004	366	0.321	117.37
2418172	91762	MB	UR	3/4"	1162	Less than or equal to 80	3	R	S	9/12/2004	366	0.047	17.21
2300111	91302	MB											

242363	91205	M	P	2"	531	Less than or equal to 60	3	M	S	11/7/2024	366	0.115	4223
242352	91212	DB	UR	2"	532	Less than or equal to 60	3	M	S	2/10/2024	366	0.047	1721
242724	91206	M	UC	2"	523	Less than or equal to 60	3	M	S	9/6/2024	366	0.047	1721
242626	91204	DB	UR	2"	544	Less than or equal to 60	3	M	S	2/10/2024	366	0.047	1721
240930	91018	DB	P	3/2" CTS	551	Less than or equal to 60	3	M	S	4/29/2024	205	0.321	8177
241222	91780	M	P	2"	1151	Less than or equal to 60	3	M	S	7/30/2024	366	0.321	11377
240528	91212	DB	PC	3/4"	883	Less than or equal to 60	3	M	S	5/10/2024	366	0.115	4223
241347	91331	M	UR	2"	1047	Less than or equal to 60	3	M	S	5/30/2024	366	0.047	1721
242390	91046	M	PC	2"	899	Less than or equal to 60	3	M	S	11/2/2024	366	0.047	1721
241842	91049	M	PC	2"	829	Less than or equal to 60	3	M	S	8/10/2024	366	0.321	11377
242407	91049	M	UC	2"	831	Less than or equal to 60	3	M	S	11/2/2024	366	0.047	1721
241892	91208	DB	UC	3/4"	821	Less than or equal to 60	3	M	S	8/29/2024	366	0.047	1721
241706	91205	M	PC	1"	850	Less than or equal to 60	3	M	S	4/7/2024	366	0.047	1721
241675	91702	M	UR	8"	1139	Less than or equal to 60	3	M	S	8/12/2024	366	0.047	1721
241837	91706	M	P	2"	17	Less than or equal to 60	3	M	S	8/12/2024	366	0.047	1721
240876	91202	DB	UC	3/4"	884	Less than or equal to 60	3	M	S	4/22/2024	366	0.321	11377
241843	91202	DB	UR	2"	140	Less than or equal to 60	3	M	S	8/12/2024	366	0.047	1721
241885	91274	M	UR	2"	1013	Less than or equal to 60	3	M	S	9/21/2024	366	0.047	1721
241305	91423	M	UC	2"	822	Less than or equal to 60	3	M	S	1/10/2024	366	0.047	1721
240581	91721	M	UC	2"	875	Less than or equal to 60	3	M	S	9/10/2024	366	0.321	11377
241731	91022	DB	P	Unknown	878	Less than or equal to 60	2	M	M	9/6/2024	117	0.047	550
240278	91780	M	UC	3/4"	899	Less than or equal to 60	3	M	S	7/10/2024	366	0.047	1721
241731	91006	M	PC	2"	899	Less than or equal to 60	3	M	S	6/10/2024	366	0.115	4223
242441	91006	M	PC	2"	720	Less than or equal to 60	3	M	S	7/10/2024	366	0.047	1721
242290	91202	DB	P	2"	411	Less than or equal to 60	3	M	S	11/6/2024	366	0.115	4223
132363	91112	M	PC	Unknown	720	Less than or equal to 60	3	M	S	11/2/2023	366	0.047	1721
242382	91741	M	P	3/4"	859	Less than or equal to 60	2	M	S	10/11/2024	366	0.047	1721
242549	91204	DB	P	2"	306	Less than or equal to 60	3	M	S	3/10/2024	366	0.047	1721
242389	91423	DB	UR	Unknown	Less than or equal to 60	3	M	M	S	11/2/2024	41	0.321	1856
241391	91006	M	P	1/2"	545	Less than or equal to 60	3	M	S	5/10/2024	366	0.047	1721
241948	91202	DB	P	2"	551	Less than or equal to 60	3	M	S	10/1/2024	92	0.321	1856
242390	91205	M	P	2"	439	Less than or equal to 60	3	M	S	11/27/2024	5	0.047	824
242484	91202	DB	P	2"	617	Less than or equal to 60	3	M	S	11/2/2024	366	0.047	1721
241833	91015	M	PC	2"	815	Less than or equal to 60	2	M	S	8/11/2024	366	0.047	1721
241129	91016	M	P	2"	730	Less than or equal to 60	2	M	S	11/10/2024	366	0.321	11377
241761	91707	M	P	2"	887	Less than or equal to 60	2	M	S	9/10/2024	366	0.047	1721
240292	91345	M	UC	2"	844	Less than or equal to 60	3	M	S	3/10/2024	366	0.115	4223
240088	91706	M	UR	4"	1151	Less than or equal to 60	3	M	S	10/11/2024	366	0.047	1721
241862	91213	M	P	2"	840	Less than or equal to 60	3	M	S	9/10/2024	366	0.047	1721
241094	91010	M	UC	4"	668	Less than or equal to 60	3	M	S	9/25/2024	366	0.047	1721
241771	91111	M	P	2"	813	Less than or equal to 60	3	M	S	11/21/2024	366	0.047	1721
241719	91054	M	P	2"	522	Less than or equal to 60	3	M	S	7/10/2024	182	0.047	856
240278	91234	M	UC	2"	660	Less than or equal to 60	3	M	S	3/10/2024	366	0.321	11377
241815	91402	DB	UC	2"	681	Less than or equal to 60	3	M	S	9/20/2024	366	0.115	4223
240888	91011	DB	P	3/4"	704	Less than or equal to 60	3	M	S	10/1/2024	366	0.047	1721
242219	91002	DB	P	2"	791	Less than or equal to 60	3	M	S	7/10/2024	366	0.047	1721
241261	91010	M	UC	3/4"	655	Less than or equal to 60	3	M	S	6/10/2024	366	0.047	1721
242005	91046	M	PC	2"	896	Less than or equal to 60	3	M	S	10/10/2024	366	0.047	1721
241277	91740	M	P	1/2"	568	Less than or equal to 60	3	M	S	10/21/2024	366	0.047	1721
240270	91220	DB	P	2"	446	Less than or equal to 60	3	M	S	11/10/2024	366	0.047	1721
241822	91606	M	UR	2"	1016	Less than or equal to 60	2	M	S	7/10/2024	366	0.047	1721
241380	91204	DB	UR	2"	730	Less than or equal to 60	3	M	S	11/21/2024	366	0.047	1721
240185	91023	M	UC	2"	899	Less than or equal to 60	3	M	S	11/18/2024	366	0.321	11377
241838	91202	DB	UR	2"	860	Less than or equal to 60	3	M	S	8/10/2024	366	0.047	1721
241515	91754	DB	P	3/4"	881	Less than or equal to 60	3	M	S	7/10/2024	366	0.321	11377
241383	91005	M	UR	3"	1187	Less than or equal to 60	3	M	S	7/10/2024	198	0.321	1826
241788	91081	M	UR	3"	130	Less than or equal to 60	3	M	S	11/21/2023	193	0.115	4626
241723	91280	M	UR	2"	1035	Less than or equal to 60	3	M	S	9/27/2024	366	0.047	1721
241191	91240	M	PC	3/4"	608	Less than or equal to 60	3	M	S	6/10/2024	366	0.047	1721
241708	91205	M	P	3/4"	856	Less than or equal to 60	3	M	S	8/27/2024	366	0.047	1721
240948	91009	M	P	2"	411	Less than or equal to 60	3	M	S	10/20/2024	366	0.115	4223
242546	91042	DB	UC	3/4"	827	Less than or equal to 60	2	M	S	11/21/2024	366	0.321	11377
241138	91014	DB	UR	2"	3	Less than or equal to 60	3	M	S	11/1/2024	11	0.115	704
242567	91108	DB	UR	4"	1259	Less than or equal to 60	3	M	S	1/10/2024	366	0.321	11377
241741	91014	M	UC	4"	846	Less than or equal to 60	3	M	S	7/10/2024	366	0.321	11377
241213	91106	DB	PC	4"	287	Less than or equal to 60	3	M	S	5/10/2024	366	0.047	1721
240289	91046	M	UR	2"	1037	Less than or equal to 60	3	M	S	4/10/2024	366	0.047	1721
241728	91205	M	UR	2"	1162	Less than or equal to 60	2	M	S	10/23/2024	366	0.008	247
241754	91003	DB	PC	3/4"	111	Less than or equal to 60	3	M	S	10/20/2024	366	0.047	1721
240461	91152	M	PC	1/2"	146	Less than or equal to 60	3	M	S	1/10/2024	366	0.047	1721
242461	91299	M	UC	2"	817	Less than or equal to 60	3	M	S	11/10/2024	366	0.047	1721
240714	91234	DB	P	2"	819	Less than or equal to 60	2	M	S	4/10/2024	366	0.321	11377
240192	91702	M	PC	3/4"	583	Less than or equal to 60	3	M	S	1/21/2024	366	0.047	1721
240273	91238	DB	UC	2"	893	Less than or equal to 60	3	M	S	7/10/2024	366	0.321	11377
241942	91706	M	P	2"	1163	Less than or equal to 60	2	M	S	11/11/2024	366	0.321	11377
241761	91340	M	P	2"	449	Less than or equal to 60	3	M	S	1/21/2024	366	0.047	1721
240427	91194	M	P	2"	187	Less than or equal to 60	2	M	S	11/21/2024	366	0.047	1721
241832	91010	DB	UR	2"	91	Less than or equal to 60	3	M	S	9/10/2024	366	0.047	1721
241824	91722	M	UC	3/4"	858	Less than or equal to 60	3	M	S	11/20/2024	366	0.047	1721
241723	91208	M	PC	1/2"	120	Less than or equal to 60	3	M	S	8/20/2024	366	0.321	11377
241719	91274	M	P	2"	174	Less than or equal to 60	3	M	S	11/10/2024	366	0.047	1721
241289	91205	M	P	2"	579	Less than or equal to 60	3	M	S	10/21/2024	366	0.047	1721
241289	91745	M	PC	2"	565	Less than or equal to 60	3	M	S	9/21/2024	366	0.047	1721
241280	91014	M	PC	2"	470	Less than or equal to 60	2	M	M	6/17/2024	199	0.047	831
241791	91005	M	PC	2"	426	Less than or equal to 60	3	M	S	10/20/2024	366	0.115	4223
241421	91003	M	PC	2"	568	Less than or equal to 60	3	M	S	5/29/2024	366	0.156	5905
240275	91208	DB	P	2"	1016	Less than or equal to 60	3	M	S	11/10/2024	366	0.047	1721
241507	91051	M	UC	2"	1043	Less than or equal to 60	2	M	S	5/10/2024	366	0.047	1721
241549	91338	DB	UR	2"	702	Less than or equal to 60	3	M	S	7/10/2024	366	0.047	1721
241367	91006	M	UC	2"	866	Less than or equal to 60	3	M	S	7/10/2024	366	0.115	4223
240939	91205	M	PC	2"	566	Less than or equal to 60	3	M	S	5/10/2024	366	0.321	11377
241722	91208	DB	UC	3/4"	855	Less than or equal to 60	3	M	S	8/28/2024	366	0.047	1721
241700	91234	M	P	2"	843	Less than or equal to 60	3	M	S	9/14/2024	366	0.047	1721
241700	91277	M	P	2"	147	Less than or equal to 60	3	M	S	9/10/2024	366	0.047	1721
240894	91712	M	UC	2"	893	Less than or equal to 60	3	M	S	10/10/2024	366	0.047	1721
241882	91006	DB	UR	2"	900	Less than or equal to 60	3	M	S	10/10/2024	366	0.115	4223
240846	91004	M	UC	3/4"	819	Less than or equal to 60	3	M	S	1/11/2024	366	0.321	11377
242221	91107	M	PC	2"	1199	Less than or equal to 60	3	M	S	7/10/2024	366	0.047	1721
242028	91222	M	UC	2"	775	Less than or equal to 60	3	M	S	1/29/2024	366	0.047	1721
241420	91006	M	PC	2"	967	Less than or equal to 60	3	M	S	9/17/2024	366	0.008	249
240487	91020	DB	UR	Unknown	775	Less than or equal to 60	2	M	S	11/20/2024	366	0.115	4223
241821	91206	M	PC	2"	1123	Less than or							

2412127	95209	DB	P	2"	532	Less than or equal to 60	3	R	S	6/7/2004	366		0.321	11337
2412095	95205	DB	P	2"	530	Less than or equal to 60	3	R	S	2/20/2004	366		0.047	11337
2412096	95208	DB	PC	3/4"	735	Less than or equal to 60	2	R	S	9/27/2004	366		0.047	11321
2412080	95198	DB	PC	3/4"	497	Less than or equal to 60	2	R	S	12/1/2004	366		0.321	11337
2412049	95277	DB	UC	Unknown		Less than or equal to 60	3	R	S	3/22/2004	366		0.321	11337
2412029	95332	DB	UC	3"	811	Less than or equal to 60	2	R	S	8/9/2004	366		0.047	11321
2412022	95327	DB	UC	3"	808	Less than or equal to 60	3	R	S	12/1/2004	366		0.321	11337
2412024	95324	DB	UC	3"	543	Less than or equal to 60	3	R	S	8/9/2004	366		0.047	11321
2414389	95705	DB	UC	2"	875	Less than or equal to 60	3	R	S	5/2/2004	366		0.047	11321
2412024	95280	DB	UC	3"	1338	Less than or equal to 60	3	R	S	4/7/2004	366		0.321	11337
2412002	95258	DB	UC	3"	793	Less than or equal to 60	3	R	S	3/27/2004	366		0.321	11337
2412094	95106	DB	UC	3/4"	936	Less than or equal to 60	3	R	S	11/27/2004	366		0.047	11321
2412043	95098	DB	P	3"	531	Less than or equal to 60	3	R	S	3/7/2004	366		0.047	11321
2412030	95018	DB	PC	2"	611	Less than or equal to 60	3	R	S	3/16/2004	366		0.047	11321
2412153	95131	DB	P	3"	545	Less than or equal to 60	3	R	S	4/9/2004	366		0.047	11321
2412158	95096	DB	PC	3/4"	945	Less than or equal to 60	2	R	S	9/9/2004	366		0.047	11321
2412136	95124	DB	UC	3"	719	Less than or equal to 60	3	R	S	3/2/2004	366		0.047	11321
2412050	95206	DB	UC	3/4"	855	Less than or equal to 60	2	R	S	12/4/2004	366		0.321	11337
2412085	95246	DB	P	2"	1062	Less than or equal to 60	3	R	S	3/26/2004	366		0.047	11321
2412118	95042	DB	UC	3/4"	1188	Less than or equal to 60	3	R	S	8/27/2003	366		0.321	11337
2412012	95140	DB	UC	2"	777	Less than or equal to 60	2	R	S	5/1/2004	366		0.047	11321
2412042	95208	DB	P	2"	532	Less than or equal to 60	3	R	S	5/2/2004	366		0.047	11321
2412037	95263	DB	UC	2"	998	Less than or equal to 60	3	R	S	10/16/2004	366		0.321	11337
2412026	95262	DB	UC	2"	546	Less than or equal to 60	3	R	S	7/20/2004	366		0.321	11337
2412040	95328	DB	P	2"	546	Less than or equal to 60	2	R	S	9/20/2004	366		0.047	11321
2412021	95154	DB	UC	3"	952	Less than or equal to 60	3	R	S	4/7/2004	366		0.047	11321
2412053	95273	DB	UC	3"	1149	Less than or equal to 60	3	R	S	3/12/2004	366		0.047	11321
2412177	95211	DB	P	3/4"	938	Less than or equal to 60	3	R	S	5/24/2004	366		0.115	4231
2412077	95170	DB	UC	1 1/4"	764	Less than or equal to 60	3	R	S	5/17/2004	366		0.047	11321
2412463	95085	DB	UC	6"	933	Less than or equal to 60	3	R	S	11/20/2004	366		0.115	4231
2412170	95201	DB	PC	3/4"	898	Less than or equal to 60	3	R	S	8/27/2004	366		0.321	11337
2412085	95405	DB	UC	3/4"	897	Less than or equal to 60	2	R	S	11/27/2003	366		0.047	11321
2412082	95061	DB	P	2"	491	Less than or equal to 60	2	R	S	5/2/2004	366		0.047	11321
2412045	95122	DB	PC	3/4"	822	Less than or equal to 60	2	R	S	11/27/2004	366		0.047	11321
2412097	95388	DB	P	3"	855	Less than or equal to 60	3	R	S	10/5/2004	366		0.047	11321
2412106	95320	DB	UC	3"	725	Less than or equal to 60	3	R	S	9/29/2004	366		0.321	11337
2412052	95305	DB	UC	Unknown		Less than or equal to 60	3	R	S	10/2/2004	366		0.321	11337
2412139	95022	DB	P	3/4"	896	Less than or equal to 60	3	R	S	9/7/2004	366		0.321	11337
2412108	95178	DB	UC	3"	813	Less than or equal to 60	2	R	S	11/7/2004	366		0.047	11321
2412023	95405	DB	UC	2"	897	Less than or equal to 60	3	R	S	11/20/2004	366		0.321	11337
2412046	95211	DB	UC	2"	709	Less than or equal to 60	3	R	S	10/27/2004	366		0.115	4231
2412165	95280	DB	UC	3"	1156	Less than or equal to 60	3	R	S	9/9/2004	366		0.047	11321
2412078	95235	DB	UC	2"	930	Less than or equal to 60	2	R	S	4/2/2004	366		0.321	11337
2412104	95041	DB	UC	2"	1127	Less than or equal to 60	3	R	S	8/27/2003	366		0.115	4231
2412149	95002	DB	P	6"	1173	Less than or equal to 60	3	R	S	11/27/2004	366		0.321	11337
2412098	95065	DB	P	6"	487	Less than or equal to 60	3	R	S	11/2/2004	366		0.047	11321
2412110	95102	DB	UC	2"	748	Less than or equal to 60	3	R	S	6/29/2004	366		0.115	4231
2412032	95006	DB	UC	2"	815	Less than or equal to 60	3	R	S	5/27/2004	366		0.047	11321
2412076	95206	DB	PC	3"	432	Less than or equal to 60	2	R	M	10/28/2004	366		0.047	11321
2412095	95104	DB	UC	3"	818	Less than or equal to 60	3	R	S	11/4/2004	366		0.115	4231
2412084	95020	DB	P	1"	488	Less than or equal to 60	2	R	S	11/4/2004	366		0.047	11321
2412080	95197	DB	UC	2"	857	Less than or equal to 60	3	R	S	11/27/2004	366		0.047	11321
2412017	95227	DB	PC	2"	739	Less than or equal to 60	2	R	S	3/12/2004	366		0.321	11337
2412135	95066	DB	P	3"	517	Less than or equal to 60	3	R	S	3/17/2004	366		0.047	11321
2412076	95274	DB	UC	3/4"	950	Less than or equal to 60	2	R	S	2/20/2004	366		0.321	11337
2412086	95135	DB	PC	3/4"	842	Less than or equal to 60	3	R	S	3/2/2004	366		0.321	11337
2412118	95206	DB	UC	3/4"	718	Less than or equal to 60	3	R	S	11/27/2004	366		0.047	11321
2412105	95170	DB	UC	2"	755	Less than or equal to 60	3	R	S	3/2/2004	366		0.321	11337
2412110	95261	DB	PC	3/4"	396	Less than or equal to 60	3	R	S	8/14/2004	366		0.047	11321
2412089	95174	DB	UC	3"	851	Less than or equal to 60	3	R	S	9/29/2004	366		0.047	11321
2412013	95208	DB	UC	2"	896	Less than or equal to 60	2	R	S	9/26/2004	366		0.047	11321
2412109	95001	DB	UC	3/4"	812	Less than or equal to 60	3	R	S	7/20/2004	366		0.047	11321
2412067	95206	DB	UC	3"	815	Less than or equal to 60	3	R	S	11/27/2004	366		0.115	4231
2412054	95021	DB	UC	3/4"	54	Less than or equal to 60	3	R	S	3/6/2004	366		0.047	11321
2412170	95009	DB	UC	3"	805	Less than or equal to 60	3	R	S	10/27/2004	366		0.047	11321
2412079	95245	DB	P	2"	858	Less than or equal to 60	3	R	S	4/4/2004	366		0.047	11321
2412090	95060	DB	UC	3/4"	888	Less than or equal to 60	3	R	S	10/27/2004	366		0.047	11321
2412075	95105	DB	UC	3"	1055	Less than or equal to 60	3	R	S	5/2/2004	366		0.047	11321
2412013	95404	DB	UC	3/4"	886	Less than or equal to 60	3	R	S	3/2/2004	366		0.321	11337
2412037	95206	DB	UC	3/4"	768	Less than or equal to 60	3	R	S	9/2/2004	366		0.047	11321
2412075	95197	DB	P	1 1/2"	533	Less than or equal to 60	3	R	S	9/9/2004	366		0.047	11321
2412082	95003	DB	UC	3"	830	Less than or equal to 60	2	R	S	10/7/2004	366		0.047	11321
2412106	95210	DB	PC	1 1/2"	100	Less than or equal to 60	3	R	S	10/2/2004	366		0.047	11321
2412119	95167	DB	UC	1 1/4"	1206	Less than or equal to 60	3	R	S	10/27/2004	366		0.047	11321
2412174	95003	DB	UC	3"	817	Less than or equal to 60	3	R	S	10/7/2004	366		0.047	11321
2412029	95174	DB	PC	2"	451	Less than or equal to 60	3	R	S	9/21/2004	366		0.047	11321
2412084	95001	DB	UC	3"	138	Less than or equal to 60	3	R	S	11/27/2004	366		0.047	11321
2412112	95077	DB	UC	4"	1203	Less than or equal to 60	2	R	M	12/6/2004	26		0.047	11321
2412031	95042	DB	UC	3/4"	841	Less than or equal to 60	3	R	S	10/27/2004	366		0.115	4231
2412055	95220	DB	P	3"	512	Less than or equal to 60	3	R	S	11/27/2004	366		0.047	11321
2412083	95264	DB	P	Unknown		Less than or equal to 60	3	R	S	5/6/2004	366		0.047	11321
2412059	95274	DB	PC	Unknown		Less than or equal to 60	3	R	S	7/4/2004	366		0.047	11321
2412031	95042	DB	UC	3"	1151	Less than or equal to 60	2	R	S	4/21/2004	366		0.321	11337
2412043	95225	DB	UC	3"	489	Less than or equal to 60	3	R	S	11/4/2004	366		0.047	11321
2412032	95209	DB	UC	3/4"	883	Less than or equal to 60	3	R	S	11/21/2004	366		0.047	11321
2412096	95173	DB	UC	2"	826	Less than or equal to 60	3	R	S	4/20/2004	366		0.047	11321
2412180	95277	DB	PC	2"	620	Less than or equal to 60	3	R	S	11/5/2004	366		0.047	11321
2412070	95011	DB	UC	3"	856	Less than or equal to 60	2	R	S	4/20/2004	366		0.115	4231
2412039	95206	DB	P	1 1/2"	475	Less than or equal to 60	3	R	M	9/13/2004	110		0.047	11321
2412032	95277	DB	PC	3"	812	Less than or equal to 60	3	R	S	11/27/2004	366		0.047	11321
2412017	95274	DB	UC	3"	1125	Less than or equal to 60	2	R	S	7/29/2004	366		0.321	11337
2412081	95247	DB	PC	1 1/2"	319	Less than or equal to 60	3	R	S	11/27/2004	366		0.047	11321
2412101	95161	DB	P	2"	496	Less than or equal to 60	3	R	S	7/13/2004	366		0.047	11321
2412111	95030	DB	P	1"	136	Less than or equal to 60	3	R	S	7/29/2004	366		0.047	11321
2412085	95004	DB	PC	3"	568	Less than or equal to 60	3	R	S	11/20/2004	366		0.321	11337
2412115	95131	DB	PC	3"	730	Less than or equal to 60	3	R	S	6/9/2004	366		0.047	11321
2412115	95131	DB	PC	3"										

2425060	91706	MS	P	2"	1195	Less than or equal to 60	3	B	S	12/10/2024	366	0.047	12.21
2425074	90221	MS	UC	2"	81	Less than or equal to 60	1	B	S	12/10/2024	366	0.047	12.21
2425446	92505	MS	UC	2"	879	Less than or equal to 60	1	B	S	12/10/2024	366	0.047	12.21
2421847	91104	DB	Unknown			Less than or equal to 60	1	B	S	5/2/2024	366	0.047	12.21
2420882	90221	MS	P	2"	511	Less than or equal to 60	1	B	S	12/10/2024	366	0.047	12.21
2421373	92220	MS	PC	2"	11	Less than or equal to 60	2	B	S	6/9/2024	366	0.311	11.37
2420944	91000	MS	UC	1/2"	51	Less than or equal to 60	1	B	S	12/10/2024	366	0.047	12.21
2420781	90227	DB	UC	2"	875	Less than or equal to 60	2	B	S	4/7/2024	366	0.006	2.25
2421887	91749	MS	UC	2"	1110	Less than or equal to 60	1	B	S	11/10/2023	366	0.047	12.21
2423460	91816	MS	UC	3/4"	785	Less than or equal to 60	1	B	S	2/10/2024	366	0.047	12.21
2423255	91000	MS	P	2"	501	Less than or equal to 60	1	B	S	12/10/2024	366	0.047	12.21
2423868	91841	MS	UC	3/4"	787	Less than or equal to 60	1	B	S	9/10/2024	366	0.311	11.37
2421743	91749	MS	UC	2"	495	Less than or equal to 60	1	B	S	11/10/2023	366	0.311	11.37
2424017	91820	DB	PC	3/4"	615	Less than or equal to 60	2	B	S	9/11/2024	366	0.311	11.37
2421370	91877	MS	UC	1/2"	837	Less than or equal to 60	1	B	S	12/10/2024	366	0.115	42.23
2421365	91722	DB	PC	3/4"	822	Less than or equal to 60	2	B	S	10/20/2024	366	0.047	12.21
2421955	91749	MS	UC	1/2"	1271	Less than or equal to 60	1	B	S	12/10/2024	366	0.047	12.21
2423305	90548	MS	P	4"	718	Less than or equal to 60	2	B	S	11/11/2024	366	0.047	12.21
2423076	90548	MS	UC	1/2"	546	Less than or equal to 60	2	B	S	8/2/2024	366	0.006	2.25
2424434	90600	MS	P	1/2"	111	Less than or equal to 60	1	B	S	7/12/2024	366	0.115	42.23
2426823	90227	MS	PC	3/4"	720	Less than or equal to 60	1	B	S	3/10/2024	366	0.047	12.21
2425024	90227	MS	PC	2"	301	Less than or equal to 60	1	B	S	10/20/2024	366	0.311	11.37
2420937	91200	MS	UB	0"	1014	Less than or equal to 60	2	B	S	2/10/2024	366	0.047	12.21
2424549	90047	MS	P	1/2"	205	Less than or equal to 60	2	B	S	2/10/2024	366	0.115	42.23
2424946	91202	MS	UB	2"	954	Less than or equal to 60	1	B	S	7/20/2024	366	0.047	12.21
2420331	92400	MS	UC	2"	777	Less than or equal to 60	1	B	S	10/10/2024	366	0.047	12.21
2421151	91100	MS	P	4"	1215	Less than or equal to 60	1	B	S	5/10/2024	366	0.047	12.21
2421893	91311	MS	PC	3/4"	751	Less than or equal to 60	2	B	S	9/10/2024	366	0.047	12.21
2427247	91038	MS	PC	3/4"	881	Less than or equal to 60	3	B	S	4/10/2024	366	0.047	12.21
2424028	91749	MS	UC	2"	839	Less than or equal to 60	1	B	S	12/10/2024	366	0.047	12.21
2424708	91423	MS	UB	2"	1155	Less than or equal to 60	3	B	S	12/10/2024	366	0.311	11.37
2424908	91749	MS	UC	2"	877	Less than or equal to 60	1	B	S	9/10/2024	366	0.047	12.21
2421944	91781	MS	UB	3/4"	701	Less than or equal to 60	3	B	S	8/9/2024	366	0.311	11.37
2421													

243366	9001A M8	UB	2"	132	less than or equal to 0.0	3	0	5	12/1/2024	365		0.115	42.2
243368	9146 CM	UB	3/4"	90	less than or equal to 0.0	2	0	5	4/21/2024	366		0.047	17.2
243369	9152 CM	UB	1"	7	less than or equal to 0.0	2	0	5	7/5/2024	366		0.115	42.2
243593	9549 M8	UB	4"	118	less than or equal to 0.0	3	0	5	12/1/2024	366		0.321	113.7
243607	9600 M8	UB	2"	79	less than or equal to 0.0	2	0	5	8/2/2024	366		0.115	42.2
243705	9538 M8	P	3"	48	less than or equal to 0.0	2	0	5	11/29/2023	366		0.047	17.2
243710	9570 M8	P	2"	90	less than or equal to 0.0	2	0	5	8/29/2024	366		0.047	17.2
243445	9606 M8	PC	3"	80	less than or equal to 0.0	2	0	5	11/23/2024	366		0.047	17.2
243452	9188 M8	P	4"	13	less than or equal to 0.0	2	0	5	12/1/2024	366		0.047	17.2
243880	9347 CM	UB	1/2"	1	less than or equal to 0.0	2	0	5	3/19/2024	366		0.321	113.7
243141	9136 CM	UB	1/2"	8	less than or equal to 0.0	2	0	5	5/29/2024	366		0.047	17.2
243158	9136 CM	UB	2"	94	less than or equal to 0.0	2	0	5	6/9/2024	366		0.047	17.2
243162	9002 M8	P	1/2"	81	less than or equal to 0.0	2	0	5	1/17/2024	366		0.047	17.2
243174	9035 CM	PC	6"	839	less than or equal to 0.0	2	0	5	6/11/2024	366		0.321	113.7
243200	9035 CM	PC	6"	839	less than or equal to 0.0	2	0	5	6/11/2024	366		0.047	17.2
243697	9035 M8	PC	3"	97	less than or equal to 0.0	2	0	5	4/29/2024	366		0.047	17.2
243700	9035 M8	PC	3"	97	less than or equal to 0.0	2	0	5	4/29/2024	366		0.047	17.2
243785	9006 M8	P	2"	58	less than or equal to 0.0	2	0	5	11/2/2024	366		0.176	64.5
243728	9006 M8	PC	2"	60	less than or equal to 0.0	2	0	5	11/2/2024	366		0.047	17.2
243713	9021 CM	UB	3/4"	420	less than or equal to 0.0	2	0	5	10/2/2024	366		0.047	17.2
243227	9223 M8	P	2"	51	less than or equal to 0.0	2	0	5	11/1/2024	366		0.321	113.7
243231	9136 M8	UB	1/2"	15	less than or equal to 0.0	2	0	5	8/9/2024	366		0.047	17.2
243404	9006 M8	P	1/2"	49	less than or equal to 0.0	2	0	5	7/24/2024	366		0.047	17.2
243176	9189 M8	P	1/2"	14	less than or equal to 0.0	2	0	5	6/4/2024	366		0.033	11.2
243026	9259 M8	P	1/2"	127	less than or equal to 0.0	2	0	5	10/2/2024	366		0.047	17.2
243021	9035 M8	UB	2"	11	less than or equal to 0.0	2	0	5	6/1/2024	366		0.047	17.2
243418	9273 M8	UB	3"	119	less than or equal to 0.0	2	0	5	9/11/2024	296		0.047	15.5
243420	9035 M8	PC	1/2"	8	less than or equal to 0.0	2	0	5	11/2/2024	366		0.321	113.7
243920	9149 M8	PC	1/2"	424	less than or equal to 0.0	3	0	5	9/29/2024	366		0.047	17.2
243921	9149 M8	PC	1/2"	424	less than or equal to 0.0	3	0	5	9/29/2024	366		0.047	17.2
243267	9026 M8	PC	1/2"	216	less than or equal to 0.0	2	0	5	6/14/2024	366		0.047	17.2
243631	9172 M8	UB	2"	88	less than or equal to 0.0	2	0	5	3/7/2024	366		0.047	17.2
243344	9136 M8	UB	4"	17	less than or equal to 0.0	2	0	5	11/2/2024	366		0.047	17.2
243228	9006 CM	UB	2"	71	less than or equal to 0.								

2402408	9000	0000	UC	3/4"	884	Less than or equal to 0.0	1	0	5	11/25/2004	11/25/2004	330	1	0.321	100.83
2402409	9000	0000	UC	3/4"	887	Less than or equal to 0.0	1	0	5	11/25/2004	11/25/2004	330	1	0.321	100.82
2402410	9000	0000	UC	3/4"	748	Less than or equal to 0.0	1	0	5	12/14/2003	12/14/2003	9	0.237	27	1.80
2402467	92400	0000	UB	3/4"	884	Less than or equal to 0.0	1	0	5	5/9/2004	5/9/2004	1	0.321	43.09	
2402468	92400	0000	UB	3/4"	947	Less than or equal to 0.0	1	0	5	1/26/2004	1/26/2004	10	0.312	1.70	
2402469	92400	0000	UB	3/4"	853	Less than or equal to 0.0	1	0	5	5/2/2004	4/28/2004	134	0.328	0.49	
2402473	92400	0000	UB	3/4"	883	Less than or equal to 0.0	1	0	5	12/22/2004	12/22/2004	10	0.321	1.70	
2402474	92400	0000	UB	3/4"	888	Less than or equal to 0.0	1	0	5	1/24/2004	1/24/2004	24	0.321	1.70	
2402475	92400	0000	UB	3/4"	888	Less than or equal to 0.0	1	0	5	1/24/2004	1/24/2004	24	0.321	1.70	
2402481	92400	0000	P	1/2"	887	Less than or equal to 0.0	1	0	5	11/25/2004	11/25/2004	330	0.321	100.83	
2402482	92400	0000	P	1/2"	888	Less than or equal to 0.0	1	0	5	11/25/2004	11/25/2004	330	0.321	100.83	
2402483	92400	0000	P	1/2"	889	Less than or equal to 0.0	1	0	5	11/25/2004	11/25/2004	330	0.321	100.83	
2402484	92400	0000	P	1/2"	890	Less than or equal to 0.0	1	0	5	11/25/2004	11/25/2004	330	0.321	100.83	
2402485	92400	0000	P	1/2"	891	Less than or equal to 0.0	1	0	5	11/25/2004	11/25/2004	330	0.321	100.83	
2402486	92400	0000	P	1/2"	892	Less than or equal to 0.0	1	0	5	11/25/2004	11/25/2004	330	0.321	100.83	
2402487	92400	0000	P	1/2"	893	Less than or equal to 0.0	1	0	5	11/25/2004	11/25/2004	330	0.321	100.83	
2402488	92400	0000	P	1/2"	894	Less than or equal to 0.0	1	0	5	11/25/2004	11/25/2004	330	0.321	100.83	
2402489	92400	0000	P	1/2"	895	Less than or equal to 0.0	1	0	5	11/25/2004	11/25/2004	330	0.321	100.83	
2402490	92400	0000	P	1/2"	896	Less than or equal to 0.0	1	0	5	11/25/2004	11/25/2004	330	0.321	100.83	
2402491	92400	0000	P	1/2"	897	Less than or equal to 0.0	1	0	5	11/25/2004	11/25/2004	330	0.321	100.83	
2402492	92400	0000	P	1/2"	898	Less than or equal to 0.0	1	0	5	11/25/2004	11/25/2004	330	0.321	100.83	
2402493	92400	0000	P	1/2"	899	Less than or equal to 0.0	1	0	5	11/25/2004	11/25/2004	330	0.321	100.83	
2402494	92400	0000	P	1/2"	900	Less than or equal to 0.0	1	0	5	11/25/2004	11/25/2004	330	0.321	100.83	
2402495	92400	0000	P	1/2"	901	Less than or equal to 0.0	1	0	5	11/25/2004	11/25/2004	330	0.321	100.83	
2402496	92400	0000	P	1/2"	902	Less than or equal to 0.0	1	0	5	11/25/2004	11/25/2004	330	0.321	100.83	
2402497	92400	0000	P	1/2"	903	Less than or equal to 0.0	1	0	5	11/25/2004	11/25/2004	330	0.321	100.83	
2402498	92400	0000	P	1/2"	904	Less than or equal to 0.0	1	0	5	11/25/2004	11/25/2004	330	0.321	100.83	
2402499	92400	0000	P												

[illegible]

[illegible]

240220	9022Z MAR	UC	2"	916	Less than or equal to 60	1	B	S	7/9/2024	5/31/2024	152	382	0.047	7.15
240220	9022Z MAR	UC	2"	916	Less than or equal to 60	1	B	S	2/9/2025	9/9/2024	150	456	0.047	4.80
240241	91754Z MAR	UC	2"	908	Less than or equal to 60	1	B	S	12/7/2023	12/7/2023	122	1064	0.047	12.11
240405	9080Z MAR	UC	2"	875	Less than or equal to 60	1	B	S	8/15/2024	8/15/2024	228	1	0.321	72.12
240405	91740Z MAR	UC	2"	820	Less than or equal to 60	1	B	S	10/12/2024	10/12/2024	137	332	0.047	9.01
240405	90740Z MAR	PC	3/4"	862	Less than or equal to 60	1	B	S	4/12/2024	4/12/2024	128	2	0.047	4.84
240405	90740Z MAR	UC	2"	859	Less than or equal to 60	1	B	S	2/20/2025	2/20/2025	160	381	0.047	7.04
240405	90740Z MAR	UC	2"	755	Less than or equal to 60	2	B	S	6/21/2023	10/20/2024	80	274	0.047	2.55
240405	9107Z MAR	UC	2"	1127	Less than or equal to 60	1	B	S	4/20/2024	7/12/2024	137	381	0.047	8.61
240405	9020Z MAR	UC	2"	1128	Less than or equal to 60	1	B	S	4/26/2024	5/26/2024	187	380	0.047	8.44
240405	9023Z MAR	PC	3/4"	839	Less than or equal to 60	1	B	S	12/1/2023	4/18/2024	170	201	0.321	54.52
240405	9003Z MAR	UC	3/4"	895	Less than or equal to 60	1	B	S	10/12/2024	1/20/2025	10	213	0.047	4.84
240405	9171Z MAR	UC	2"	875	Less than or equal to 60	1	B	S	8/13/2023	1/26/2024	12	254	0.135	6.80
240405	9176Z MAR	UC	2"	875	Less than or equal to 60	1	B	S	1/26/2024	1/26/2024	16	115	0.047	3.86
240406	9040Z MAR	UC	4"	1145	Less than or equal to 60	1	B	S	2/29/2024	2/27/2024	148	2	0.135	6.89
240406	9040Z MAR	UC	4"	711	Less than or equal to 60	1	B	S	1/26/2024	1/26/2024	4	171	0.047	3.81
240406	9016Z MAR	PC	3/4"	899	Less than or equal to 60	1	B	S	7/9/2023	4/20/2024	16	182	0.321	60.14
240406	9016Z MAR	PC	3/4"	899	Less than or equal to 60	1	B	S	4/20/2024	4/20/2024	110	110	0.047	4.84
240406	9176Z MAR	PC	3/4"	715	Less than or equal to 60	1	B	S	7/15/2023	1/26/2024	190	354	0.047	8.93
240406	9176Z MAR	PC	3/4"	815	Less than or equal to 60	1	B	S	2/12/2023	1/26/2024	19	246	0.047	3.86
240406	9004Z MAR	PC	3/4"	755	Less than or equal to 60	1	B	S	12/12/2023	6/7/2024	389	190	0.047	7.05
240406	9004Z MAR	PC	3/4"	139	Less than or equal to 60	1	B	S	7/20/2024	7/20/2024	1	849	0.047	4.84
240406	9178Z MAR	P	2"	495	Less than or equal to 60	1	B	S	4/26/2024	4/26/2024	188	401	0.047	7.43
240779	9010Z MAR	P	2"	116	Less than or equal to 60	1	B	S	4/12/2024	4/12/2024	322	5	0.047	4.80
240779	9080Z MAR	PC	3/4"	117	Less than or equal to 60	1	B	S	11/7/2024	12/12/2024	184	401	0.047	7.43
240801	9041Z MAR	UC	2"	1218	Less than or equal to 60	1	B	M	1/31/2024	1/31/2024	1	1	0.321	6.03
240801	9003Z MAR	UC	2"	715	Less than or equal to 60	1	B	S	12/12/2023	12/12/2023	137	115	0.047	3.86
240809	9055Z MAR	P	2"	479	Less than or equal to 60	1	B	S	2/26/2024	2/26/2024	39	1	0.321	12.51
240801	9133Z MAR	UC	3/4"	838	Less than or equal to 60	1	B	S	1/26/2024	1/26/2024	9	110	0.047	3.86
240806	9020Z MAR	UC	6"	875	Less than or equal to 60	1	B	S	11/29/2					

SoCalGas, June 13th, 2025
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, 2025 June Report
Appendix 4; Rev. 03/27/2025

Notes:

Please show the calculation for determining the total emissions. If additional worksheets are necessary, please include those to show intermediate calculations, such as the formula for the Risk Based Survey Method.

Definitions in Data Request R15-01-008, 2025 June Report

If highlighted cells are filled in, the other cells will auto-populate

The number of miles surveyed (Column C) should be the number of unique miles surveyed, and should not include any repeated miles surveyed multiple times per year.

To clarify the definition of O&M Leaks (Column O), the following criteria for O&M Leaks should be met: (1) occur stochastically across the whole territory, (2) are reported by customers, (3) found quickly after occurring, (4) found independently of survey activities but would have been found later by surveyors, and (5) considered a small number of leaks

To clarify the definition of Survey Leaks (Column C), the following criteria for Survey Leaks should be met: (1) found from company employees or contractors actively searching for leaks (2) including, but not limited to, compliance survey leaks and non-compliance survey leaks (e.g. Super Emitter Programs, Aerial Methane Mapping, Corrosion Surveying.)

Summary of Data by Pipeline Facility/Material and Results for Annual System Leak Rate and Resulting Number of Unknown Leaks for Each Pipeline Facility/Material

Facility/Material	Total System Miles per material type	Miles on Annual Survey [M _{AS}]	Miles on Multi-Year Survey Cycles [M _{MS}]	Survey Interval (yrs) [Y]	Miles Surveyed Annually from Multi-Year Survey Cycles [M _{MS}]	Total # of Leaks Detected from Survey [N _{SL}]	If using a 3-year trailing leak rate average then include - 2022 Annual Leak Rate [R _{SL}]	If using a 3-year trailing leak rate average then include - 2022 Annual Leak Rate [R _{SL}]	2024 Annual Leak Rate [R _{SL}] $R_{SL} = \frac{N_{SL}}{M_{SL} + (I \times M_{SL})}$	If applicable, then calculate the 3-year Average Leak Rate [Leaks / Mile / Yr] $\bar{R}_3 = \frac{1}{3} \sum_{i=1}^3 R_{SL}$	# of Unknown Leaks $N_{K,UB} = \bar{R}_3 \times (M_{SL}^{UB} - M_{SL}) \times \frac{1}{I}$	Total # of Leaks Detected from O&M* [N _{SL}]
Main/Vintage* Plastic	7,980	7,980	0	1	0	1,473	0.1391	0.1443	0.18459	0.15597	-	47
Main/Plastic	NA	NA	NA	3	NA	NA	NA	NA	NA	NA	NA	NA
Main/Plastic	NA	NA	NA	4	NA	NA	NA	NA	NA	NA	NA	NA
Main/Plastic	18,421	4,867	13,555	5	2,711	374	0.0148	0.0154	0.02030	0.01683	456.20	23
Main/Unprotected Steel	7,620	7,620	0	1	0	2,767	0.3874	0.3670	0.36312	0.37251	-	129
Main/Unprotected Steel	NA	NA	NA	4	NA	NA	NA	NA	NA	NA	NA	NA
Main/Unprotected Steel	NA	NA	NA	5	NA	NA	NA	NA	NA	NA	NA	NA
Main/Vintage* Protected Steel	NA	NA	NA	1	NA	NA	NA	NA	NA	NA	NA	NA
Main/Protected Steel	NA	NA	NA	3	NA	NA	NA	NA	NA	NA	NA	NA
Main/Protected Steel	NA	NA	NA	4	NA	NA	NA	NA	NA	NA	NA	NA
Main/Protected Steel	18,343	8,456	9,887	5	1,977	989	0.0413	0.0422	0.05387	0.04580	905.48	51
Service/Vintage* Plastic	10,851	10,851	0	1	0	480	0.0521	0.0442	0.04424	0.04684	-	18
Service/Plastic	NA	NA	NA	3	NA	NA	NA	NA	NA	NA	NA	NA
Service/Plastic	NA	NA	NA	4	NA	NA	NA	NA	NA	NA	NA	NA
Service/Plastic	23,397	8,086	15,312	5	3,066	147	0.0070	0.0064	0.00628	0.00656	201.03	12
Service/Unprotected Steel	9,012	9,012	0	1	0	1,945	0.2601	0.2716	0.21583	0.24919	NA	76
Service/Unprotected Steel	NA	NA	NA	4	NA	NA	NA	NA	NA	NA	NA	NA
Service/Unprotected Steel	NA	NA	NA	5	NA	NA	NA	NA	NA	NA	NA	NA
Service/Vintage* Protected Steel	NA	NA	NA	1	NA	NA	NA	NA	NA	NA	NA	NA
Service/Protected Steel	NA	NA	NA	3	NA	NA	NA	NA	NA	NA	NA	NA
Service/Protected Steel	NA	NA	NA	4	NA	NA	NA	NA	NA	NA	NA	NA
Service/Protected Steel	8,003	4,420	3,583	5	717	596	0.0772	0.0792	0.07447	0.07698	551.59	32
Service/Copper	NA	NA	NA	3	NA	NA	NA	NA	NA	NA	NA	NA
Service/Copper	NA	NA	NA	4	NA	NA	NA	NA	NA	NA	NA	NA
Service/Copper	NA	NA	NA	5	NA	NA	NA	NA	NA	NA	NA	NA
Total	103,625	61,272	42,354	N/A	8,471	8,770	NA	NA	NA	NA	2,114	388

*Definitions for "Vintage" materials:

Vintage Plastic

Pipe installed before 1986 + "unknown" manufacture PE pipe

Vintage Protected Steel

Pipe installed before 1950

Estimated Emissions by Pipeline Facility/Material for Each Leakage Category

Leakage Category	Emission Factor (Mscf/day/leak)	2024 Emissions from Leaks detected Prior to 2024 (Mscf)	2024 Emissions from Leaks Detected from 2024 Survey (Mscf)	2024 Emissions from O&M* Leaks Detected in 2024 (Mscf)	2024 Estimated Emissions from Unknown Leaks (Mscf)	Total Estimated 2024 Emissions from Distribution Pipelines (Mscf)
Facility/Material						
Main/Vintage* Plastic	0.1154	7,181	64,888	715	0	72,785
Main/Plastic	0.1154	NA	NA	NA	NA	NA
Main/Plastic	0.1154	NA	NA	NA	NA	NA
Main/Plastic	0.1154	1,220	14,660	633	19,264	35,777
Main/Unprotected Steel	0.1154	NA	NA	NA	NA	NA
Main/Unprotected Steel	0.1154	NA	NA	NA	NA	NA
Main/Unprotected Steel	0.1154	35,036	118,462	2,692	0	156,190
Main/Vintage* Protected Steel	0.1154	NA	NA	NA	NA	NA
Main/Protected Steel	0.1154	NA	NA	NA	NA	NA
Main/Protected Steel	0.1154	NA	NA	NA	NA	NA
Main/Protected Steel	0.1154	7,756	40,452	820	38,236	87,264
Service/Vintage* Plastic	0.1154	2,170	21,445	407	0	24,022
Service/Plastic	0.1154	NA	NA	NA	NA	NA
Service/Plastic	0.1154	NA	NA	NA	NA	NA
Service/Plastic	0.1154	683	5,710	272	8,489	15,154
Service/Unprotected Steel	0.1154	17,505	62,018	788	0	80,311
Service/Unprotected Steel	0.1154	NA	NA	NA	NA	NA
Service/Unprotected Steel	0.1154	NA	NA	NA	NA	NA
Service/Vintage* Protected Steel	0.1154	NA	NA	NA	NA	NA
Service/Protected Steel	0.1154	NA	NA	NA	NA	NA
Service/Protected Steel	0.1154	NA	NA	NA	NA	NA
Service/Protected Steel	0.1154	3,639	20,085	196	23,292	47,212
Service/Copper	0.1154	NA	NA	NA	NA	NA
Service/Copper	0.1154	NA	NA	NA	NA	NA
Service/Copper	0.1154	NA	NA	NA	NA	NA
Total	N/A	75,190	347,720	6,524	89,281	518,715

O&M leaks include any other pipeline leaks that are discovered during the year from operations and maintenance activity, third party and gas odor reports, etc. that are not accounted for in other categories of this worksheet.

The cells below should be used for calculating emissions when a risk based leak detection and repair practice is used by the Utility. This table is intended to help categorize emissions associated with large leaks (Super Emitters (SEs)) and non-large leaks (non-SEs).					
2024 Emissions from Leaks detected Prior to 2024 (Mscf)	2024 Emissions from Leaks Detected from 2024 Survey (Mscf)	2024 Emissions from O&M* Leaks Detected in 2024 (Mscf)	2024 Estimated Emissions from Unknown Leaks (Mscf)	Total Estimated 2024 Emissions from Distribution Pipelines	

Large Leak Emitter Program					
Compliance Leak Survey - Non-LI					-
Compliance Leak Survey - LI					-
Large Leak Emitter Program Outside Compliance Area - Non-LI					-
Large Leak Emitter Program Outside Compliance Area - LI					-
O&M - Non-LI					-
O&M - LI					-
TOTAL	-	-	-	-	-

Please Provide the following:	Total Count
The portion of the survey mileage that includes mileage that is surveyed multiple times per year. Repeated mileage will not be accounted for in the unknown leak calculation.	0

2018001	01364	E	08	P	12/1 CTS	158	Lines that are equal to 60	1	8	1/10/2024	1/10/2024	1	12.09	
2018002	01317	E	08	P	12/1 IPS	300	Lines that are equal to 60	1	8	1/10/2024	1/10/2024	1	1.87	
2131961	01301	N	08	P	2"	300	Lines that are equal to 60	1	8	7/9/2023	1/10/2024	24	0.2688	7.17
2018003	00717	E	08	P	12/1 CTS	158	Lines that are equal to 60	1	8	1/10/2024	1/10/2024	1	1.82	
2018010	01311	E	08	P	12/1 IPS	306	Lines that are equal to 60	1	8	1/10/2024	1/10/2024	1	11.20	
2018014	02447	E	08	P	2"	300	Lines that are equal to 60	1	8	1/10/2024	1/10/2024	1	128.71	
2018012	00408	E	08	P	12/1 IPS	300	Lines that are equal to 60	1	8	1/10/2024	1/10/2024	1	1.88	
2018035	00205	N	08	P	12/1 IPS	300	Lines that are equal to 60	1	8	1/10/2024	1/10/2024	41	0.2889	12.25
2018038	00386	E	08	P	12/1 CTS	417	Lines that are equal to 60	1	8	1/10/2024	1/10/2024	1	7.93	
2018040	00222	E	08	P	12/1 CTS	603	Lines that are equal to 60	1	8	1/10/2024	1/10/2024	1	4.49	
2018044	00207	E	08	P	1"	25	Lines that are equal to 60	1	8	1/10/2024	1/10/2024	1	8.97	
2018053	01710	E	08	P	12/1 IPS	403	Lines that are equal to 60	1	8	1/10/2024	1/10/2024	1	9.80	
2018077	01330	E	08	P	12/1 CTS	457	Lines that are equal to 60	1	8	1/10/2024	1/10/2024	1	8.77	
2018090	01303	E	08	P	12/1 IPS	403	Lines that are equal to 60	1	8	1/10/2024	1/10/2024	1	7.93	
2018078	01301	E	08	P	12/1 CTS	403	Lines that are equal to 60	1	8	1/10/2024	1/10/2024	1	9.80	
2018080	00016	E	08	P	12/1 CTS	300	Lines that are equal to 60	1	8	1/10/2024	1/10/2024	1	11.8	
2018091	00016	E	08	P	12/1 CTS	300	Lines that are equal to 60	1	8	1/10/2024	1/10/2024	1	11.8	
2018088	00231	E	08	P	12/1 CTS	300	Lines that are equal to 60	1	8	1/10/2024	1/10/2024	1	11.8	
2018022	02236	E	08	P	12/1 CTS	247	Lines that are equal to 60	1	8	1/10/2024	1/10/2024	1	6.11	
2018092	00706	E	08	P	2"	408	Lines that are equal to 60	1	8	1/10/2024	1/10/2024	1	18.80	Emission estimated from population of similar events. See Explanatory Notes/Comments for Distribution Pipeline All Damages in Appendix 9.
2018091	00006	E	08	P	1"	476	Lines that are equal to 60	1	8	1/10/2024	1/10/2024	1	58.05	
2018097	01399	N	08	P	12/1 IPS	371	Lines that are equal to 60	1	8	1/10/2024	1/10/2024	1	18.80	Emission estimated from population of similar events. See Explanatory Notes/Comments for Distribution Pipeline All Damages in Appendix 9.
2018055	00786	E	08	P	12/1 IPS	320	Lines that are equal to 60	1	8	1/10/2024	1/10/2024	1	4.00	
2018079	02211	E	08	P	12/1 CTS	212	Lines that are equal to 60	1	8	1/10/2024	1/10/2024	1	28.87	
2018090	00236	E	08	P	2"	300	Lines that are equal to 60	1	8	1/10/2024	1/10/2024	1	80.01	
2018078	01301	E	08	P	12/1 CTS	403	Lines that are equal to 60	1	8	1/10/2024	1/10/2024	1	9.12	
2018080	00232	O	08	P	12/1 IPS	88	Lines that are equal to 60	1	8	1/10/2024	1/10/2024	1	0.0001	0.01
2018091	00002	E	08	P	12/1 CTS	300	Lines that are equal to 60	1	8	1/10/2024	1/10/2024	1	1.80	
2018015	00006	E	08	P	12/1 CTS	300	Lines that are equal to 60	1	8	1/10/2024	1/10/2024	1	7.09	
2018008	01344	E	08	P	12/1 CTS	407	Lines that are equal to 60	1	8	1/10/2024	1/10/2024	1	1.96	
2018030	01344	E	08	P	12/1 CTS	121	Lines that are equal to 60	1	8	1/10/2024	1/10/2024	1	11.8	
2018028	01361	E	08	P	12/1 CTS	127	Lines that are equal to 60	1	8	1/10/2024	1/10/2024	1	11.8	
2018034	00004	E	08	P	12/1 IPS	407	Lines that are equal to 60	1	8	1/10/2024	1/10/2024	1	84.51	
2018030	01336	E	08	P	12/1 CTS	309	Lines that are equal to 60	1	8	1/10/2024	1/10/2024	1	1.76	
2018036	00404	N	08	P	1"	127	Lines that are equal to 60	1	8	1/10/2024	1/10/2024	1	18.80	Emission estimated from population of similar events. See Explanatory Notes/Comments for Distribution Pipeline All Damages in Appendix 9.
2018033	01302	N	08	P	12/1 IPS	306	Lines that are equal to 60	1	8	1/10/2024	1/10/2024	1	18.80	Emission estimated from population of similar events. See Explanatory Notes/Comments for Distribution Pipeline All Damages in Appendix 9.
2018076	00004	E	08	P	12/1 CTS	400	Lines that are equal to 60	1	8	1/10/2024	1/10/2024	1	21.16	
2018079	00007	E	08	P	12/1 CTS	400	Lines that are equal to 60	1	8	1/10/2024	1/10/2024	1	1.46	
2018088	00007	E	08	P	12/1 CTS	115	Lines that are equal to 60	1	8	1/10/2024	1/10/2024	1	18.80	Emission estimated from population of similar events. See Explanatory Notes/Comments for Distribution Pipeline All Damages in Appendix 9.
2018090	00006	E	08	P	1"	385	Lines that are equal to 60	1	8	1/10/2024	1/10/2024	1	18.80	Emission estimated from population of similar events. See Explanatory Notes/Comments for Distribution Pipeline All Damages in Appendix 9.
2018026	00006	E	08	P	2"	300	Lines that are equal to 60	1	8	1/10/2024	1/10/2024	1	18.80	Emission estimated from population of similar events. See Explanatory Notes/Comments for Distribution Pipeline All Damages in Appendix 9.
2018092	00033	E	08	P	12/1 CTS	123	Lines that are equal to 60	1	8	1/10/2024	1/10/2024	1	4.42	
2018024	00232	E	08	P	1"	146	Lines that are equal to 60	1	8	1/10/2024	1/10/2024	1	6.03	
2018025	00001	E	08	P	12/1 CTS	411	Lines that are equal to 60	1	8	1/10/2024	1/10/2024	1	18.80	Emission estimated from population of similar events. See Explanatory Notes/Comments for Distribution Pipeline All Damages in Appendix 9.
2018020	00006	E	08	P	12/1 CTS	127	Lines that are equal to 60	1	8	1/10/2024	1/10/2024	1	7.03	
2018044	01346	PC	08	P	3/4"	104	Lines that are equal to 60	1	8	1/10/2024	1/10/2024	1	21.21	Emission estimated from population of similar events. See Explanatory Notes/Comments for Distribution Pipeline All Damages in Appendix 9.
2018036	01336	E	08	P	12/1 IPS	81	Lines that are equal to 60	1	8	1/10/2024	1/10/2024	1	39.05	
2018048	01272	E	08	P	12/1 CTS	801	Lines that are equal to 60	1	8	1/10/2024	1/10/2024	1	38.48	
2018034	00004	O	08	P	12/1 CTS	115	Lines that are equal to 60	1	8	1/10/2024	1/10/2024	1	18.80	Emission estimated from population of similar events. See Explanatory Notes/Comments for Distribution Pipeline All Damages in Appendix 9.
2018037	00004	E	08	P	12/1 CTS	124	Lines that are equal to 60	1	8	1/10/2024	1/10/2024	1	4.37	
2018033	01373	E	08	P	12/1 CTS	408	Lines that are equal to 60	1	8	1/10/2024	1/10/2024	1	16.19	
2018014	01308	E	08	P	12/1 CTS	400	Lines that are equal to 60	1	8	1/10/2024	1/10/2024	1	1.40	
2018046	00004	E	08	P	12/1 CTS	300	Lines that are equal to 60	1	8	1/10/2024	1/10/2024	1	9.84	
2018035	01312	E	08	P	12/1 CTS	300	Lines that are equal to 60	1	8	1/10/2024	1/10/2024	1	4.61	
2018035	01301	N	08	P	12/1 CTS	444	Lines that are equal to 60	1	8	1/10/2024	1/10/2024	1	18.80	Emission estimated from population of similar events. See Explanatory Notes/Comments for Distribution Pipeline All Damages in Appendix 9.
2018016	00200	E	08	P	2"	333	Lines that are equal to 60	1	8	1/10/2024	1/10/2024	1	46.75	
2018012	01312	E	08	P	12/1 CTS	300	Lines that are equal to 60	1	8	1/10/2024	1/10/2024	1	0.2888	1.60
2018034	01336	E	08	P	12/1 IPS	81	Lines that are equal to 60	1	8	1/10/2024	1/10/2024	1	11.31	
2018031	01311	N	08	PC	12/1 CTS	739	Lines that are equal to 60	1	8	1/10/2024	1/10/2024	1	28.82	
2018046	00071	E	08	P	1"	3	Lines that are equal to 60	1	8	1/10/2024	1/10/2024	1	8.61	
2018022	01340	E	08	UC	3/4"	771	Lines that are equal to 60	1	8	1/10/2024	1/10/2024	1	0.0012	20.82
2131954	01302	N	08	P	2"	300	Lines that are equal to 60	1	8	8/2/2023	4/9/2024	100	0.2688	29.88
2018092	01304	O	08	PC	3/4"	300	Lines that are equal to 60	1	8	1/10/2024	1/10/2024	1	1.53	
2018065	00006	E	08	PC	3/4"	300	Lines that are equal to 60	1	8	1/10/2024	1/10/2024	1	14.16	
2018066	00006	E	08	P	12/1 IPS	327	Lines that are equal to 60	1	8	1/10/2024	1/10/2024	1	21.89	
2018028	01303	E	08	UC	3/4"	127	Lines that are equal to 60	1	8	1/10/2024	1/10/2024	1	22.77	
2018021	00006	E	08	P	12/1 IPS	300	Lines that are equal to 60	1	8	1/10/2024	1/10/2024	1	12.74	
2018055	00003	E	08	P	12/1 IPS	351	Lines that are equal to 60	1	8	1/10/2024	1/10/2024	1	18.80	Emission estimated from population of similar events. See Explanatory Notes/Comments for Distribution Pipeline All Damages in Appendix 9.
2018025	00006	N	08	P	12/1 CTS	342	Lines that are equal to 60	1	8	1/10/2024	1/10/2024	1	18.80	Emission estimated from population of similar events. See Explanatory Notes/Comments for Distribution Pipeline All Damages in Appendix 9.
2131753	00004	E	08	P	1"	115	Lines that are equal to 60	1	8	8/10/2023	1/1/2024	65	0.0089	1.58
2018027	00075	N	08	PC	1"	175	Lines that are equal to 60	1	8	1/10/2024	1/1/2024	2	0.0001	70.73
2130704	00006	E	08	P	12/1 IPS	476	Lines that are equal to 60	1	8	4/10/2023	2/1/2024	2	0.34	
2018026	00230	O	08	P	12/1 CTS	113	Lines that are equal to 60	1	8	1/10/2024	1/1/2024	1	18.80	Emission estimated from population of similar events. See Explanatory Notes/Comments for Distribution Pipeline All Damages in Appendix 9.
2018012	00006	E	08	P	12/1 CTS	404	Lines that are equal to 60	1	8	1/10/2024	1/1/2024	1	18.80	Emission estimated from population of similar events. See Explanatory Notes/Comments for Distribution Pipeline All Damages in Appendix 9.
2018038	01378	E	08	P	12/1 CTS	413	Lines that are equal to 60	1	8	1/10/2024	1/1/2024	1	123.26	
2018017	00006	E	08	P	12/1 CTS	413	Lines that are equal to 60	1	8	1/10/2024	1/1/2024	1	1.64	
2018033	01336	N	08	P	2"	341	Lines that are equal to 60	1	8	1/10/2024	1/1/2024	1	18.80	Emission estimated from population of similar events. See Explanatory Notes/Comments for Distribution Pipeline All Damages in Appendix 9.
2018046	01334	E	08	P	12/1 CTS	336	Lines that are equal to 60	1	8	1/10/2024	1/1/2024	1	0.2888	1.80
2018049	00006	E	08	P	12/1 CTS	76	Lines that are equal to 60	1	8	1/10/2024	1/1/2024	1	18.80	Emission estimated from population of similar events. See Explanatory Notes/Comments for Distribution Pipeline All Damages in Appendix 9.
2018039	01346	E	08	P	12/1 IPS	401	Lines that are equal to 60	1	8	1/10/2024	1/1/2024	1	1.17	
2018037	01306	E	08	P	2"	311	Lines that are equal to 60	1	8	1/10/2024	1/1/2024	1	18.80	Emission estimated from population of similar events. See Explanatory Notes/Comments for Distribution Pipeline All Damages in Appendix 9.
2018039	00074	E	08	P	12/1 CTS	304	Lines that are equal to 60	1	8	1/10/2024	1/1/2024	1	18.80	Emission estimated from population of similar events. See Explanatory Notes/Comments for Distribution Pipeline All Damages in Appendix 9.
2018036	01374	E	08	P	12/1 CTS	322	Lines that are equal to 60	1	8	1/10/2024	1/1/2024	1	80.00	
2018030	01311	N	08	P	12/1 CTS	358	Lines that are equal to 60	1	8	2/1/2024	2/1/2024	1	18.80	Emission estimated from population of similar events. See Explanatory Notes/Comments for Distribution Pipeline All Damages in Appendix 9.
2018035	00027	E	08	P	12/1 CTS	278	Lines that are equal to 60	1	8	2/1/2024	2/1/2024	1	18.80	Emission estimated from population of similar events. See Explanatory Notes/Comments for Distribution Pipeline All Damages in Appendix 9.
2018022	00006	E	08	P	12/1 CTS	333	Lines that are equal to 60	1	8	2/1/2024	2/1/2024	1	18.80	Emission estimated from population of similar events. See Explanatory Notes/Comments for Distribution Pipeline All Damages in Appendix 9.
2018022	00006	E	08	P	12/1 CTS	333	Lines that are equal to 60	1	8	2/1/2024	2/1/2024	1	18.80	Emission estimated from population of similar events. See Explanatory Notes/Comments for Distribution Pipeline All Damages in Appendix 9.
2018021														

232358	9330	N	08	P	1/2	1/2	54	54	Less than or equal to 60	1	0	2/20/2024	2/20/2024	1		18.80	Excess estimated from population of similar units. See Supplementary Notes/Comments for Distribution Pipeline All Damages in Appendix A.
232359	9330	N	08	PC	3/4	1/2	786	786	Less than or equal to 60	1	0	2/21/2024	2/21/2024	1		21.21	Excess estimated from population of similar units. See Supplementary Notes/Comments for Distribution Pipeline All Damages in Appendix A.
232360	9330	N	08	PC	3/4	1/2	120	120	Less than or equal to 60	1	0	2/21/2024	2/21/2024	1		18.80	Excess estimated from population of similar units. See Supplementary Notes/Comments for Distribution Pipeline All Damages in Appendix A.
232361	9330	E	08	P	1/2	1/2	154	154	Less than or equal to 60	1	0	2/21/2024	2/21/2024	1		2.21	
232362	9330	N	08	P	1/2	1/2	429	429	Less than or equal to 60	1	0	2/21/2024	2/21/2024	1		2.80	Excess estimated from population of similar units. See Supplementary Notes/Comments for Distribution Pipeline All Damages in Appendix A.
232363	9330	N	08	P	2	1/2	157	157	Less than or equal to 60	1	0	12/13/2023	2/21/2024	53	0.2688	18.80	Excess estimated from population of similar units. See Supplementary Notes/Comments for Distribution Pipeline All Damages in Appendix A.
232364	9330	N	08	P	1/2	1/2	157	157	Less than or equal to 60	1	0	9/7/2023	2/21/2024	87	0.0080	18.80	Excess estimated from population of similar units. See Supplementary Notes/Comments for Distribution Pipeline All Damages in Appendix A.
232365	9330	N	08	P	1/2	1/2	127	127	Less than or equal to 60	1	0	2/21/2024	2/21/2024	1		1.90	
232366	9330	N	08	P	1/2	1/2	12	12	Less than or equal to 60	1	0	2/21/2024	2/21/2024	1		1.90	Excess estimated from population of similar units. See Supplementary Notes/Comments for Distribution Pipeline All Damages in Appendix A.
232367	9330	N	08	P	1/2	1/2	618	618	Less than or equal to 60	1	0	2/21/2024	2/21/2024	1		18.80	Excess estimated from population of similar units. See Supplementary Notes/Comments for Distribution Pipeline All Damages in Appendix A.
232368	9330	N	08	P	1/2	1/2	306	306	Less than or equal to 60	1	0	2/21/2024	2/21/2024	1		1.90	
232369	9330	N	08	P	1/2	1/2	69	69	Less than or equal to 60	1	0	2/21/2024	2/21/2024	1		1.11	Excess estimated from population of similar units. See Supplementary Notes/Comments for Distribution Pipeline All Damages in Appendix A.
232370	9330	N	08	P	1/2	1/2	31	31	Less than or equal to 60	1	0	2/21/2024	2/21/2024	1		1.11	
232371	9330	N	08	P	1/2	1/2	439	439	Less than or equal to 60	1	0	2/21/2024	2/21/2024	1		1.11	
232372	9330	N	08	P	1/2	1/2	439	439	Less than or equal to 60	1	0	2/21/2024	2/21/2024	1		1.11	
232373	9330	N	08	P	1/2	1/2	151	151	Less than or equal to 60	1	0	2/21/2024	4/17/2024	56	0.0080	18.80	Excess estimated from population of similar units. See Supplementary Notes/Comments for Distribution Pipeline All Damages in Appendix A.
232374	9330	N	08	P	1/2	1/2	151	151	Less than or equal to 60	1	0	2/21/2024	2/21/2024	1		1.80	
232375	9340	N	08	P	2	1/2	183	183	Less than or equal to 60	1	0	2/21/2024	2/21/2024	314	0.2688	18.80	Excess estimated from population of similar units. See Supplementary Notes/Comments for Distribution Pipeline All Damages in Appendix A.
232376	9340	N	08	P	1/2	1/2	127	127	Less than or equal to 60	1	0	2/21/2024	2/21/2024	1		1.80	
232377	9340	N	08	P	2	1/2	340	340	Less than or equal to 60	1	0	2/21/2024	2/21/2024	1		18.80	Excess estimated from population of similar units. See Supplementary Notes/Comments for Distribution Pipeline All Damages in Appendix A.
232378	9340	N	08	P	1/2	1/2	127	127	Less than or equal to 60	1	0	2/21/2024	2/21/2024	1		18.80	Excess estimated from population of similar units. See Supplementary Notes/Comments for Distribution Pipeline All Damages in Appendix A.
232379	9340	N	08	P	1/2	1/2	207	207	Less than or equal to 60	1	0	2/21/2024	2/21/2024	1		18.80	Excess estimated from population of similar units. See Supplementary Notes/Comments for Distribution Pipeline All Damages in Appendix A.
232380	9340	N	08	P	1/2	1/2	187	187	Less than or equal to 60	1	0	2/21/2024	2/21/2024	1		18.80	Excess estimated from population of similar units. See Supplementary Notes/Comments for Distribution Pipeline All Damages in Appendix A.
232381	9340	N	08	P	1/2	1/2	485	485	Less than or equal to 60	1	0	2/21/2024	2/21/2024	1		18.80	Excess estimated from population of similar units. See Supplementary Notes/Comments for Distribution Pipeline All Damages in Appendix A.
232382	9340	N	08	P	1/2	1/2	278	278	Less than or equal to 60	1	0	2/21/2024	2/21/2024	1		18.80	Excess estimated from population of similar units. See Supplementary Notes/Comments for Distribution Pipeline All Damages in Appendix A.
232383	9340	N	08	P	1/2	1/2	485	485	Less than or equal to 60	1	0	2/21/2024	2/21/2024	1		18.80	Excess estimated from population of similar units. See Supplementary Notes/Comments for Distribution Pipeline All Damages in Appendix A.
232384	9340	N	08	P	1/2	1/2	151	151	Less than or equal to 60	1	0	2/21/2024	2/21/2024	1		1.80	
232385	9340	N	08	P	2	1/2	183	183	Less than or equal to 60	1	0	2/21/2024	2/21/2024	1		1.80	
232386	9340	N	08	P	1/2	1/2	127	127	Less than or equal to 60	1	0	2/21/2024	2/21/2024	1		1.80	
232387	9340	N	08	P	2	1/2	340	340	Less than or equal to 60	1	0	2/21/2024	2/21/2024	1		18.80	Excess estimated from population of similar units. See Supplementary Notes/Comments for Distribution Pipeline All Damages in Appendix A.
232388	9340	N	08	P	1/2	1/2	127	127	Less than or equal to 60	1	0	2/21/2024	2/21/2024	1		1.80	
232389	9340	N	08	P	1/2	1/2	207	207	Less than or equal to 60	1	0	2/21/2024	2/21/2024	1		18.80	Excess estimated from population of similar units. See Supplementary Notes/Comments for Distribution Pipeline All Damages in Appendix A.
232390	9340	N	08	P	1/2	1/2	187	187	Less than or equal to 60	1	0	2/21/2024	2/21/2024	1		18.80	Excess estimated from population of similar units. See Supplementary Notes/Comments for Distribution Pipeline All Damages in Appendix A.
232391	9340	N	08	P	1/2	1/2	485	485	Less than or equal to 60	1	0	2/21/2024	2/21/2024	1		18.80	Excess estimated from population of similar units. See Supplementary Notes/Comments for Distribution Pipeline All Damages in Appendix A.
232392	9340	N	08	P	1/2	1/2	278	278	Less than or equal to 60	1	0	2/21/2024	2/21/2024	1		18.80	Excess estimated from population of similar units. See Supplementary Notes/Comments for Distribution Pipeline All Damages in Appendix A.
232393	9340	N	08	P	1/2	1/2	485	485	Less than or equal to 60	1	0	2/21/2024	2/21/2024	1		18.80	Excess estimated from population of similar units. See Supplementary Notes/Comments for Distribution Pipeline All Damages in Appendix A.
232394	9340	N	08	P	1/2	1/2	151	151	Less than or equal to 60	1	0	2/21/2024	2/21/2024	1		1.80	
232395	9340	N	08	P	2	1/2	183	183	Less than or equal to 60	1	0	2/21/2024	2/21/2024	1		1.80	
232396	9340	N	08	P	1/2	1/2	127	127	Less than or equal to 60	1	0	2/21/2024	2/21/2024	1		1.80	
232397	9340	N	08	P	1/2	1/2	207	207	Less than or equal to 60	1	0	2/21/2024	2/21/2024	1		18.80	Excess estimated from population of similar units. See Supplementary Notes/Comments for Distribution Pipeline All Damages in Appendix A.
232398	9340	N	08	P	1/2	1/2	187	187	Less than or equal to 60	1	0	2/21/2024	2/21/2024	1		18.80	Excess estimated from population of similar units. See Supplementary Notes/Comments for Distribution Pipeline All Damages in Appendix A.
232399	9340	N	08	P	1/2	1/2	485	485	Less than or equal to 60	1	0	2/21/2024	2/21/2024	1		18.80	Excess estimated from population of similar units. See Supplementary Notes/Comments for Distribution Pipeline All Damages in Appendix A.
232400	9340	N	08	P	1/2	1/2	278	278	Less than or equal to 60	1	0	2/21/2024	2/21/2024	1		18.80	Excess estimated from population of similar units. See Supplementary Notes/Comments for Distribution Pipeline All Damages in Appendix A.
232401	9340	N	08	P	1/2	1/2	485	485	Less than or equal to 60	1	0	2/21/2024	2/21/2024	1		18.80	Excess estimated from population of similar units. See Supplementary Notes/Comments for Distribution Pipeline All Damages in Appendix A.
232402	9340	N	08	P	1/2	1/2	151	151	Less than or equal to 60	1	0	2/21/2024	2/21/2024	1		1.80	
232403	9340	N	08	P	2	1/2	183	183	Less than or equal to 60	1	0	2/21/2024	2/21/2024	1		1.80	
232404	9340	N	08	P	1/2	1/2	127	127	Less than or equal to 60	1	0	2/21/2024	2/21/2024	1		1.80	
232405	9340	N	08	P	1/2	1/2	207	207	Less than or equal to 60	1	0	2/21/2024	2/21/2024	1		18.80	Excess estimated from population of similar units. See Supplementary Notes/Comments for Distribution Pipeline All Damages in Appendix A.
232406	9340	N	08	P	1/2	1/2	187	187	Less than or equal to 60	1	0	2/21/2024	2/21/2024	1		18.80	Excess estimated from population of similar units. See Supplementary Notes/Comments for Distribution Pipeline All Damages in Appendix A.
232407	9340	N	08	P	1/2	1/2	485	485	Less than or equal to 60	1	0	2/21/2024	2/21/2024	1		18.80	Excess estimated from population of similar units. See Supplementary Notes/Comments for Distribution Pipeline All Damages in Appendix A.
232408	9340	N	08	P	1/2	1/2	278	278	Less than or equal to 60	1	0	2/21/2024	2/21/2024	1		18.80	Excess estimated from population of similar units. See Supplementary Notes/Comments for Distribution Pipeline All Damages in Appendix A.
232409	9340	N	08	P	1/2	1/2	485	485	Less than or equal to 60	1	0	2/21/2024	2/21/2024	1		18.80	Excess estimated from population of similar units. See Supplementary Notes/Comments for Distribution Pipeline All Damages in Appendix A.
232410	9340	N	08	P	1/2	1/2	151	151	Less than or equal to 60	1	0	2/21/2024	2/21/2024	1		1.80	
232411	9340	N	08	P	2	1/2	183	183	Less than or equal to 60	1	0	2/21/2024	2/21/2024	1		1.80	
232412	9340	N	08	P	1/2	1/2	127	127	Less than or equal to 60	1	0	2/21/2024	2/21/2024	1		1.80	
232413	9340	N	08	P	1/2	1/2	207	207	Less than or equal to 60	1	0	2/21/2024	2/21/2024	1		18.80	Excess estimated from population of similar units. See Supplementary Notes/Comments for Distribution Pipeline All Damages in Appendix A.
232414	9340	N	08	P	1/2	1/2	187	187	Less than or equal to 60	1	0	2/21/2024	2/21/2024	1		18.80	Excess estimated from population of similar units. See Supplementary Notes/Comments for Distribution Pipeline All Damages in Appendix A.
232415	9340	N	08	P	1/2	1/2	485	485	Less than or equal to 60	1	0	2/21/2024	2/21/2024	1		18.80	Excess estimated from population of similar units. See Supplementary Notes/Comments for Distribution Pipeline All Damages in Appendix A.
232416	9340	N	08	P	1/2	1/2	278	278	Less than or equal to 60	1	0	2/21/2024	2/21/2024	1		18.80	Excess estimated from population of similar units. See Supplementary Notes/Comments for Distribution Pipeline All Damages in Appendix A.
232417	9340	N	08	P	1/2	1/2	485	485	Less than or equal to 60	1	0	2/21/2024	2/21/2024	1		18.80	Excess estimated from population of similar units. See Supplementary Notes/Comments for Distribution Pipeline All Damages in Appendix A.
232418	9340	N	08	P	1/2	1/2	151	151	Less than or equal to 60	1	0	2/21/2024	2/21/2024	1		1.80	
232419	9340	N	08	P	2	1/2	183	183	Less than or equal to 60	1	0	2/21/2024	2/21/2024	1		1.80	
232420	9340	N	08	P	1/2	1/2	127	127	Less than or equal to 60	1	0	2/21/2024	2/21/2024	1		1.80	
232421	9340	N	08	P	1/2	1/2	207	207	Less than or equal to 60	1	0	2/21/2024	2/21/2024	1		18.80	Excess estimated from population of similar units. See Supplementary Notes/Comments for Distribution Pipeline All Damages in Appendix A.
232422	9340	N	08	P	1/2	1/2	187	187	Less than or equal to 60	1	0	2/21/2024	2/21/2024	1		18.80	Excess estimated from population of similar units. See Supplementary Notes/Comments for Distribution Pipeline All Damages in Appendix A.
232423	9340	N	08	P	1/2	1/2	485	485	Less than or equal to 60	1	0	2/21/2024	2/21/2024	1		18.80	Excess estimated from population of similar units. See Supplementary Notes/Comments for Distribution Pipeline All Damages in Appendix A.
232424	9340	N	08	P	1/2	1/2	278	278	Less than or equal to 60	1	0	2/21/2024	2/21/2024	1		18.80	Excess estimated from population of similar units. See Supplementary Notes/Comments for Distribution Pipeline All Damages in Appendix A.
232425	9340	N	08	P	1/2	1/2	485	485	Less than or equal to 60	1	0	2/21/2024	2/21/2024	1		18.80	Excess estimated from population of similar units. See Supplementary Notes/Comments for Distribution Pipeline All Damages in Appendix A.
232426	9340	N	08	P	1/2	1/2	151	151	Less than or equal to 60	1	0	2/21/2024	2/21/2024	1		1.80	
232427	9340	N	08	P	2	1/2	183	183	Less than or equal to 60	1	0	2/21/2024	2/21/2024	1		1.80	
232428	9340	N	08	P	1/2	1/2	127	127	Less than or equal to 60	1	0	2/21/2024	2/21/2024	1		1.80	
232429	9340	N	08	P	1/2	1/2	207	207	Less than or equal to 60	1	0	2/21/2024	2/21/2024	1		18.80	Excess estimated from population of similar units. See Supplementary Notes/Comments for Distribution Pipeline All Damages in Appendix A.
232430	9340	N	08	P	1/2	1/2	187	187	Less than or equal to 60	1	0	2/21/2024	2/21/2024	1		18.80	Excess estimated from population of similar units. See Supplementary Notes/Comments for Distribution Pipeline All Damages in Appendix A.
232431	9340	N	08	P	1/2	1/2	485	485	Less than or equal to 60	1	0	2/21/2024	2/21/2024	1		18.80	Excess estimated from population of similar units. See Supplementary Notes/Comments for Distribution Pipeline All Damages in Appendix A.
232432	9340	N	08	P	1/2	1/2	278	278	Less than or equal to 60	1	0	2/21/2024	2/21/2024	1		18.80	Excess estimated from population of similar units. See Supplementary Notes/Comments for Distribution Pipeline All Damages in Appendix A.

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[illegible]

[illegible]

[illegible]

[illegible]

From Total	65,873
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SoCalGas, June 13th, 2025

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 2025 June Report

Appendix 4; Rev. 03/27/2025

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.

Distribution Main & Service Pipeline Blowdowns:

ID	Geographic Location	Number of Blowdown Events	Pipe Size (nominal) (inches)	Length of Pipe (feet)	Pressure (psi)	Annual Emissions (Mscf)	Explanatory Notes / Comments
N/A	SoCalGas Territory	3,260	N/A	N/A	N/A	8.50	Distribution Odor Intensity Tests
N/A	SoCalGas Territory	7	N/A	N/A	N/A	9.61	Purging Activities
N/A	SoCalGas Territory	6		1	449	323	0.03 Abandoned HP Pipe
N/A	SoCalGas Territory	8		2	6,437	323	3.44 Abandoned HP Pipe
N/A	SoCalGas Territory	6		3	180	323	0.22 Abandoned HP Pipe
N/A	SoCalGas Territory	7		4	1,861	323	3.97 Abandoned HP Pipe
N/A	SoCalGas Territory	7		6	165	323	0.79 Abandoned HP Pipe
N/A	SoCalGas Territory	6		8	10,551	323	90.14 Abandoned HP Pipe
N/A	SoCalGas Territory	3		10	11	323	0.15 Abandoned HP Pipe
N/A	SoCalGas Territory	3		12	1,258	323	24.18 Abandoned HP Pipe
N/A	SoCalGas Territory	15		1	6,804	40	0.03 Abandoned MP Pipe
N/A	SoCalGas Territory	7		1	875	40	0.01 Abandoned MP Pipe
N/A	SoCalGas Territory	107		1	25,269	40	0.51 Abandoned MP Pipe
N/A	SoCalGas Territory	3		1	2,081	40	0.07 Abandoned MP Pipe
N/A	SoCalGas Territory	728		2	507,179	40	41.11 Abandoned MP Pipe
N/A	SoCalGas Territory	159		3	45,449	40	8.29 Abandoned MP Pipe
N/A	SoCalGas Territory	124		4	163,452	40	53.00 Abandoned MP Pipe
N/A	SoCalGas Territory	38		6	3,313	40	2.42 Abandoned MP Pipe
N/A	SoCalGas Territory	7		8	11,026	40	14.30 Abandoned MP Pipe
N/A	SoCalGas Territory	4		10	38,633	40	78.29 Abandoned MP Pipe
N/A	SoCalGas Territory	4		12	1,791	40	5.23 Abandoned MP Pipe
N/A	SoCalGas Territory	28		1	2,660	323	0.09 Abandoned HP Service
N/A	SoCalGas Territory	140		1	14,970	323	1.12 Abandoned HP Service
N/A	SoCalGas Territory	15		1	3,181	323	0.42 Abandoned HP Service
N/A	SoCalGas Territory	1		1	74	323	0.02 Abandoned HP Service
N/A	SoCalGas Territory	7		2	5,670	323	3.03 Abandoned HP Service
N/A	SoCalGas Territory	1		3	1,106	323	1.33 Abandoned HP Service
N/A	SoCalGas Territory	2		4	2,002	323	4.28 Abandoned HP Service
N/A	SoCalGas Territory	21		0	1,521	40	0.00 Abandoned MP Service
N/A	SoCalGas Territory	6,452		1	525,984	40	2.66 Abandoned MP Service
N/A	SoCalGas Territory	2		1	105	40	0.00 Abandoned MP Service
N/A	SoCalGas Territory	4,034		1	339,067	40	3.87 Abandoned MP Service
N/A	SoCalGas Territory	1,522		1	94,312	40	1.91 Abandoned MP Service
N/A	SoCalGas Territory	170		1	20,202	40	0.64 Abandoned MP Service
N/A	SoCalGas Territory	13		2	1,233	40	0.06 Abandoned MP Service
N/A	SoCalGas Territory	1		2	51	40	0.00 Abandoned MP Service
N/A	SoCalGas Territory	200		2	30,177	40	2.45 Abandoned MP Service
N/A	SoCalGas Territory	14		3	2,171	40	0.40 Abandoned MP Service
N/A	SoCalGas Territory	2		6	290	40	0.21 Abandoned MP Service
BD-24-01	SoCalGas Territory	8	27' of 16" and 15' of 20"	27' of 16" and 15' of 20"	390	0.97	Distribution Blowdown
BD-24-02	SoCalGas Territory	8	16' of 16" and 11' of 20"	16' of 16" and 11' of 20"	390	0.70	Distribution Blowdown
BD-24-03	SoCalGas Territory	2		8	21	385	0.02 Distribution Blowdown
BD-24-04	SoCalGas Territory	3		6	11	520	0.03 Distribution Blowdown
BD-24-05	SoCalGas Territory	16		8	22	686	0.19 Distribution Blowdown
BD-24-06	SoCalGas Territory	1	4' of 10" and 17' of 12"	4' of 10" and 17' of 12"	385	0.07	Distribution Blowdown
BD-24-07	SoCalGas Territory	2	4' of 10" and 17' of 12"	4' of 10" and 17' of 12"	385	0.05	Distribution Blowdown
BD-24-08	SoCalGas Territory	5		8	22	465	0.06 Distribution Blowdown
BD-24-09	SoCalGas Territory	1		8	22	465	0.01 Distribution Blowdown
BD-24-10	SoCalGas Territory	1		12	21	204	0.00 Distribution Blowdown
BD-24-11	SoCalGas Territory	1		15	1,056	204	0.03 Distribution Blowdown
BD-24-12	SoCalGas Territory	1		15	106	204	0.00 Distribution Blowdown
BD-24-13	SoCalGas Territory	1		15	23	390	0.00 Distribution Blowdown
BD-24-14	SoCalGas Territory	1		23	13,939	230	13.11 Distribution Blowdown
BD-24-16	SoCalGas Territory	1		10	792	230	0.16 Distribution Blowdown
BD-24-17	SoCalGas Territory	1		15	676	280	0.01 Distribution Blowdown
BD-24-19	SoCalGas Territory	1		12	190	686	0.00 Distribution Blowdown
BD-24-21	SoCalGas Territory	1		8	11,827	385	1.49 Distribution Blowdown
BD-24-22	SoCalGas Territory	1		12	781	130	0.02 Distribution Blowdown
BD-24-23	SoCalGas Territory	1		8	645	150	0.01 Distribution Blowdown
BD-24-25	SoCalGas Territory	1		8	317	150	0.00 Distribution Blowdown
BD-24-29	SoCalGas Territory	1		8	2,270	686	0.03 Distribution Blowdown
BD-24-31	SoCalGas Territory	1		15	499	400	0.96 Distribution Blowdown
BD-24-32	SoCalGas Territory	1		8	8,448	196	0.04 Distribution Blowdown
BD-24-33	SoCalGas Territory	1		19	1,742	650	0.10 Distribution Blowdown
BD-24-35	SoCalGas Territory	1		8	1,003	150	0.00 Distribution Blowdown
BD-24-38	SoCalGas Territory	1		12	21,120	235	4.84 Distribution Blowdown
BD-24-39	SoCalGas Territory	1		16	8,448	465	0.38 Distribution Blowdown
BD-24-40	SoCalGas Territory	1		17	21,120	204	27.83 Distribution Blowdown

Sum Total	418
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SoCalGas, June 13th, 2025

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 2025 June Report
Appendix 4; Rev. 03/27/2025

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.

Distribution Main & Service Pipeline Component Vented Emissions (see note above):

Total Number of Devices	Device Type	Bleed Rate	Manufacturer	Engineering or Manufacturer's based Estimate of Emissions	Annual Emissions (Mscf)	Explanatory Notes / Comments
Sum Total					0	

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.

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 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

Total Number of Devices	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
							Sum Total	0	

Appendix 4; Rev. 03/27/2025

Header column "Comment" boxes displayed below for reference.	
Column Heading	Description and Definition of Required Contents (IF not self-explanatory)
Pipeline Leaks	
ID	
Geographic Location	GIS, zip code, or equivalent
Pipe Classification	MA = distribution main, above ground MB = distribution main, below ground DA = distribution service, above ground DB = distribution service, below ground
Pipe Material	C = copper CI = cast iron P = plastics (Acetyl, ABS, PE, PVC, etc.) PB = cathodically protected steel, bare PC = cathodically protected steel, coated 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	If the utility uses grades for above ground leaks, it is unnecessary to use the AH,AN, or AM designations. 1 = grade 1 2 = grade 2 2+ = grade 2+ 3 = grade 3 AH = Above Ground Hazardous synonymous with Grade 1. AN = Above Ground Non-Hazardous, synonymous with Grade 2 and 2+. AM = Above Ground Non-Hazardous Minor (akin to grade 3 below ground leak). N = non-graded or ungraded
Upgraded Leak Grade or Downgraded Leak Grade	U: Upgraded Leak such as a grade 2 or 3 leak that was surveyed again and changed designation to grade 1 or 2. D: downgraded leak, such as a grade 1 or 2 leak that was surveyed again and changed designation to grade 2 or 3.
Above Ground or Below Ground	A = Above Ground B = below ground

Leak Discovery Method	S = Routine Leak Survey (This discovery method should be parsed and the emissions summarized into leaks carried over from before 2016, and those detected in 2016. The totals for these subcategories should be carried over to column C43 through D63 on the Unsurveyed Pipeline Leaks tab.) M = O&M (E.G. O&M Activities, Third party reports, customer odor reports etc.) O = Other (This will be grouped with M in the summary categorization of leaks.)
Discovery Date (MM/DD/YY)	
Re-Grade 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; Otherwise 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 P.
Reason for Not Scheduling a Repair	If Repair Date is blank, and Scheduled Repair Date (Column O) = "M", then provide the reason for not scheduling a repair.
Number of Days Leaking	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.) (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.
Number of Days to Repair	Use only Repair-Discovery +1. Do not use January 1st for time to repair. For regraded leaks, use Repair Date - Regrade Date +1.
Emission Factor (Mscf/Day)	
Annual Emissions (Mscf)	
Explanatory Notes / Comments	
Unknown Leaks	
Facility/Material	
Total System Miles per material type	
Miles on Annual Survey [$M_{X,A}$]	

Miles on Multi-Year Survey Cycles [M_X^{Tot}]	
Survey Interval (yrs) [I]	
Miles Surveyed Annually from Multi-Year Survey Cycles [$M_{X,I}$]	
Total # of Leaks Detected from Survey [$N_{X,L}$]	
If using a 3-year trailing leak rate average then include - 2019 Annual Leak Rate [$R_{X,1}$]	
If using a 3-year trailing leak rate average then include - 2020 Annual Leak Rate [$R_{X,2}$]	
2022 Annual Leak Rate [$R_{X,3}$]	$R_{X,3} = \frac{N_{X,L}}{M_{X,A} + (I \times M_{X,I})}$
If applicable, then calculate the 3-year Average Leak Rate [Leaks / Mile / Yr]	$\overline{R_X} = \frac{1}{3} \sum_{i=1}^3 R_{X,i}$
# of Unknown Leaks	$N_{X,unk} = \overline{R_X} \times (M_X^{Tot} - M_{X,I}) \times \frac{I}{2}$
Total # of Leaks Detected from O&M* [$N_{X,O}$]	
Pipeline Leaks Summary	
Count of Leaks Carried over from Prior Year	Based on a leak start date prior to the first day of the year of interest.
Count of Leaks Discovered in the Year of Interest	The total number of leaks by grade or category discovered in the year of interest. If a leak is downgraded to not leaking, do not count it.
Count of Leaks Repaired in the Year of Interest	

Average Days to Repair Leaks	The average days to repair leaks should be baase on the formula: (Repair Date/Time minus Discovery Date/Time) plus (one day, unless using a discrete time stamp for leak repairs), then take the sum and divide by number of leaks repaired by grade to get the average days to repair.
Count of Estimated Unsurveyed Leaks in the Year of Interest	For leaks identified in Unsurveyed areas extrapolate the proportion of leak counts by grade that were found in the respective areas based on the year or periods used to estimate the unsurveyed leak count. If the unsurveyed leak count was based on the current year leak count by grade detected then use the current proportion of graded leak count applied to the unsurveyed leaks.
Count of Remaining Leaks at final day of the Year of Interest (12/31/xx)	This count is only of the actual leaks detected in the operator's system that have not been repaired as of 12/31 of the year of interest.
Emissions from Leaks Carried over from Prior Year.	Based on a leak start date prior to the first day of the year of interest. This includes leaks discovered through O&M and survey activities.
Emissions from Leaks Discovered in the Year of Interest.	The total number of leaks by grade or category discovered in the year of interest. This includes leaks discovered through O&M and survey activities.
Emissions from Estimated Unsurveyed Leaks in the Year of Interest	The emissions by grade would be on the same basis that used to extrapolate the count of leaks in the unsurveyed areas. For example: For leaks identified in Unsurveyed areas extrapolate the proportion of leak emissions by grade that were found in the respective areas based on the year or periods used to estimate the unsurveyed leak count. If the unsurveyed leak count was based on the current year leaks detected then use the current proportion of graded leaks applied to the unsurveyed leak emissions.
Total Emissions in the Year of Interest [Mscf of Natural Gas]	
All Damages	
ID	
Geographic Location	GIS, zip code, or equivalent
Damage Type	E = excavation damage N = natural force damage O = other outside force damage
Pipe Classification	MA = distriibution main, above ground MB = distriibution main, below ground DA = distribution service, above ground DB = distribution service, below ground

Pipe Material	C = copper CI = cast iron P = plastics (Acetal, ABS, PE, PVC, etc.) PB = cathodically protected steel, bare PC = cathodically protected steel, coated UB = unprotected steel, bare UC = unptotected steel, coated
Pipe Size (nominal)	
Pipe Age (months)	
Pressure (psi)	MOP = maximum operating pressure over the past year
Leak Grade	1 = grade 1 2 = grade 2 2+ = grade 2+ 3 = grade 3 N = Non-Graded
Above Ground or Below Ground	AH = above ground, hazardous AN = above ground, non-hazardous B = below ground
Discovery Date (MM/DD/YY)	
Repair Date (MM/DD/YY)	
Number of Days Leaking	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. 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.
Emission Factor or Engineering Estimate (Mscf/Day)	
Annual Emissions (Mscf)	
Explanatory Notes / Comments	
Blowdowns	
ID	
Geographic Location	GIS, zip code, or equivalent

Number of Blowdown Events	If counting a series of small blowdowns associated with services such as MSA replacement, or Service pipe of small diameter or section length then enter total and the formula in the explanation column.
Pipe Size (nominal)	
Length of Pipe	
Pressure (psi)	MOP = maximum operating pressure over the past year
Annual Emissions (Mscf)	
Explanatory Notes / Comments	
Component Vented Emissions	
Total Number of Devices	
Device Type	P = pneumatic device H = hydraulic valve operator T = turbine valve operator PR = pressure relief valve O = other devices
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	
Component Fugitive Leaks	
Total Number of Devices	
Device Type	P = pneumatic device H = hydraulic valve operator T = turbine valve operator PR = pressure relief valve O = other devices
Bleed Rate	L = low bleed I = intermittent bleed H = high bleed NA = not applicable
Manufacturer	
Discovery Date (MM/DD/YY)	List the actual discovery date. If the leak was discovered in the year of interest, then we will assume the component was leaking from the beginning of the year for emissions reporting purposes.

Repair Date (MM/DD/YY)	Date that the component repair stopped the leak. Any associated blowdowns as a result of the repair should be included in the blowdowns tab.
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 <u>thru</u> repair date or December 31st of subject year, whichever is earlier.
Emission Factor (Mscf/day)	
Annual Emission (Mscf)	
Explanatory Notes / Comments	