

SoCalGas, June 15th, 2022

Rulemaking (R.) 15-01-008 to Adopt Rules and Procedures Governing Commission Regulated Natural Gas Pipelines and Facilities to Reduce Natural Gas Leaks Consistent with Senate Bill 1371, L. Seno.
In Response to Data Request, R15-01-008 2022 June Report
Appendix 7; Rev. 03/30/22

Notes:

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

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

Use the Population based emission factor if facility is not surveyed, Use Leaker based emission factor if facility is surveyed, and report only the found leaking components.

Underground Storage Facility Leaks and Emissions:

ID	Geographic Location	Source	Number of Sources	12/31/2021		1/1/2021		Emission Factor (Mscf/day/dev)	Annual Emissions (Mscf)	Explanatory Notes / Comments
				Discovery Date (MM/DD/YY)	Repair Date (MM/DD/YY)	Number of Days Leaking	Number of Days Leaking			
7537102	ALISO CANYON	C	1	1/11/2021	1/13/2021	3.00	0.0288	0.09	Soap Test/Audio Visual	
7546069	ALISO CANYON	V	1	1/28/2021	2/1/2021	5.00	0.1080	0.54	Soap Test/Audio Visual	
7547147	ALISO CANYON	C	1	1/30/2021	1/30/2021	1.00	0.0288	0.03	Soap Test/Audio Visual	
7547741	ALISO CANYON	C	1	2/3/2021	2/25/2021	23.00	0.0288	0.66	Soap Test/Audio Visual	
7547744	ALISO CANYON	C	1	2/3/2021	2/27/2021	25.00	0.0288	0.72	Soap Test/Audio Visual	
7565727	ALISO CANYON	V	1	2/16/2021		319.00	0.1080	34.45	Soap Test/Audio Visual	
7565731	ALISO CANYON	V	1	2/16/2021	2/17/2021	2.00	0.1080	0.22	Soap Test/Audio Visual	
7590312	ALISO CANYON	F	1	3/13/2021	3/13/2021	1.00	0.0912	0.09	Soap Test/Audio Visual	
7624307	ALISO CANYON	C	1	4/29/2021	4/29/2021	1.00	0.0288	0.03	Soap Test/Audio Visual	
7624346	ALISO CANYON	C	1	4/29/2021	5/14/2021	16.00	0.0288	0.46	Soap Test/Audio Visual	
7649704	ALISO CANYON	C	1	5/29/2021	6/1/2021	4.00	0.0288	0.12	Soap Test/Audio Visual	
7666764	ALISO CANYON	V	1	6/4/2021	6/24/2021	21.00	0.1080	2.27	Soap Test/Audio Visual	
7723006	ALISO CANYON	C	1	8/13/2021	8/18/2021	6.00	0.0288	0.17	Soap Test/Audio Visual	
7723003	ALISO CANYON	V	1	8/14/2021	8/14/2021	1.00	0.1080	0.11	Soap Test/Audio Visual	
7723004	ALISO CANYON	V	1	8/14/2021	8/14/2021	1.00	0.1080	0.11	Soap Test/Audio Visual	
7723005	ALISO CANYON	C	1	8/14/2021	8/14/2021	1.00	0.0288	0.03	Soap Test/Audio Visual	
7725242	ALISO CANYON	C	1	8/22/2021	8/22/2021	1.00	0.0288	0.03	Soap Test/Audio Visual	
7769271	ALISO CANYON	C	1	10/12/2021	10/12/2021	1.00	0.0288	0.03	Soap Test/Audio Visual	
7792090	ALISO CANYON	C	1	11/14/2021	11/15/2021	2.00	0.0288	0.06	Soap Test/Audio Visual	
7798553	ALISO CANYON	C	1	11/22/2021	11/22/2021	1.00	0.0288	0.03	Soap Test/Audio Visual	
7613595	HONOR RANCHO	C	1	4/8/2021	4/22/2021	15.00	0.0288	0.43	Soap Test/Audio Visual	
7617110	HONOR RANCHO	C	1	4/12/2021	4/14/2021	3.00	0.0288	0.09	Soap Test/Audio Visual	
7641719	HONOR RANCHO	C	1	5/19/2021	5/20/2021	2.00	0.0288	0.06	Soap Test/Audio Visual	
7670131	HONOR RANCHO	C	1	6/21/2021	7/29/2021	39.00	0.0288	1.12	Soap Test/Audio Visual	
7704843	HONOR RANCHO	C	1	7/31/2021	8/4/2021	5.00	0.0288	0.14	Soap Test/Audio Visual	
7718716	HONOR RANCHO	C	1	8/12/2021	8/16/2021	5.00	0.0288	0.14	Soap Test/Audio Visual	
7746616	HONOR RANCHO	C	1	9/14/2021	9/23/2021	10.00	0.0288	0.29	Soap Test/Audio Visual	
7754018	HONOR RANCHO	C	1	9/29/2021	11/5/2021	38.00	0.0288	1.09	Soap Test/Audio Visual	
7754020	HONOR RANCHO	C	1	9/29/2021	11/5/2021	38.00	0.0288	1.09	Soap Test/Audio Visual	
7769081	HONOR RANCHO	V	1	10/11/2021	10/11/2021	1.00	0.1080	0.11	Soap Test/Audio Visual	
7775186	HONOR RANCHO	F	1	10/25/2021	10/27/2021	3.00	0.0912	0.27	Soap Test/Audio Visual	
7791162	HONOR RANCHO	C	1	11/10/2021	11/10/2021	1.00	0.0288	0.03	Soap Test/Audio Visual	
7825875	HONOR RANCHO	C	1	12/9/2021		23.00	0.0288	0.66	Soap Test/Audio Visual	
7572765	LA GOLETA	V	1	2/20/2021	1/10/2022	315.00	0.1080	34.02	Soap Test/Audio Visual	
7572759	LA GOLETA	F	1	2/26/2021	2/26/2021	1.00	0.0912	0.09	Soap Test/Audio Visual	
7749275	LA GOLETA	V	1	9/18/2021	9/18/2021	1.00	0.1080	0.11	Soap Test/Audio Visual	
7537819	PLAYA DEL REY	V	1	1/14/2021	1/15/2021	2.00	0.1080	0.22	Soap Test/Audio Visual	
7547799	PLAYA DEL REY	V	1	2/5/2021	2/11/2021	7.00	0.1080	0.76	Soap Test/Audio Visual	
7745664	PLAYA DEL REY	V	1	9/9/2021	9/13/2021	5.00	0.1080	0.54	Soap Test/Audio Visual	
7591295	ALISO CANYON	V	1	3/15/2021	3/16/2021	2.00	0.1080	0.22	LDAR >10K PPM	
7591412	ALISO CANYON	V	1	3/16/2021	3/17/2021	2.00	0.1080	0.22	LDAR >10K PPM	
7591415	ALISO CANYON	C	1	3/16/2021	3/16/2021	1.00	0.0288	0.03	LDAR >10K PPM	
7591417	ALISO CANYON	C	1	3/16/2021	3/16/2021	1.00	0.0288	0.03	LDAR >10K PPM	
7679674	ALISO CANYON	C	1	4/22/2021	4/22/2021	1.00	0.0288	0.03	LDAR >10K PPM	
7679676	ALISO CANYON	C	1	4/22/2021	4/22/2021	1.00	0.0288	0.03	LDAR >10K PPM	
7679685	ALISO CANYON	V	1	4/22/2021	4/22/2021	1.00	0.1080	0.11	LDAR >10K PPM	
7679679	ALISO CANYON	V	1	4/29/2021	4/29/2021	1.00	0.1080	0.11	LDAR >10K PPM	
7647907	ALISO CANYON	V	1	5/25/2021	5/25/2021	1.00	0.1080	0.11	LDAR >10K PPM	
7649136	ALISO CANYON	C	1	5/26/2021	5/26/2021	1.00	0.0288	0.03	LDAR >10K PPM	
7649148	ALISO CANYON	V	1	5/26/2021	5/26/2021	1.00	0.1080	0.11	LDAR >10K PPM	
7649286	ALISO CANYON	V	1	5/27/2021	5/27/2021	1.00	0.1080	0.11	LDAR >10K PPM	
7679966	ALISO CANYON	V	1	6/9/2021	6/9/2021	1.00	0.1080	0.11	LDAR >10K PPM	
7669560	ALISO CANYON	V	1	6/16/2021	6/16/2021	1.00	0.1080	0.11	LDAR >10K PPM	
7679709	ALISO CANYON	C	1	6/23/2021	6/23/2021	1.00	0.0288	0.03	LDAR >10K PPM	
7745623	ALISO CANYON	V	1	7/30/2021	7/30/2021	1.00	0.1080	0.11	LDAR >10K PPM	
7745624	ALISO CANYON	V	1	7/30/2021	7/30/2021	1.00	0.1080	0.11	LDAR >10K PPM	
7745625	ALISO CANYON	V	1	7/30/2021	7/30/2021	1.00	0.1080	0.11	LDAR >10K PPM	
7745626	ALISO CANYON	V	1	7/30/2021	7/30/2021	1.00	0.1080	0.11	LDAR >10K PPM	
7705240	ALISO CANYON	V	1	8/4/2021	8/4/2021	1.00	0.1080	0.11	LDAR >10K PPM	
7718742	ALISO CANYON	V	1	8/12/2021	8/12/2021	1.00	0.1080	0.11	LDAR >10K PPM	
7718745	ALISO CANYON	V	1	8/12/2021	8/12/2021	1.00	0.1080	0.11	LDAR >10K PPM	
7718748	ALISO CANYON	C	1	8/12/2021	8/12/2021	1.00	0.0288	0.03	LDAR >10K PPM	
7723268	ALISO CANYON	V	1	8/16/2021	8/16/2021	1.00	0.1080	0.11	LDAR >10K PPM	
7723296	ALISO CANYON	C	1	8/17/2021	8/17/2021	1.00	0.0288	0.03	LDAR >10K PPM	
7723405	ALISO CANYON	C	1	8/18/2021	8/18/2021	1.00	0.0288	0.03	LDAR >10K PPM	
7723406	ALISO CANYON	V	1	8/18/2021	8/19/2021	2.00	0.1080	0.22	LDAR >10K PPM	
7745629	ALISO CANYON	V	1	8/23/2021	8/23/2021	1.00	0.1080	0.11	LDAR >10K PPM	
7729268	ALISO CANYON	V	1	8/24/2021	8/24/2021	1.00	0.1080	0.11	LDAR >10K PPM	
7729418	ALISO CANYON	C	1	8/25/2021	8/26/2021	2.00	0.0288	0.06	LDAR >10K PPM	
7730297	ALISO CANYON	V	1	8/31/2021	8/31/2021	1.00	0.1080	0.11	LDAR >10K PPM	
7746831	ALISO CANYON	V	1	9/15/2021	9/15/2021	1.00	0.1080	0.11	LDAR >10K PPM	
7776267	ALISO CANYON	V	1	10/25/2021	10/29/2021	5.00	0.1080	0.54	LDAR >10K PPM	
7775342	ALISO CANYON	V	1	10/26/2021	10/26/2021	1.00	0.1080	0.11	LDAR >10K PPM	
7775345	ALISO CANYON	V	1	10/26/2021	10/27/2021	2.00	0.1080	0.22	LDAR >10K PPM	
7775411	ALISO CANYON	V	1	10/27/2021	10/27/2021	1.00	0.1080	0.11	LDAR >10K PPM	
7791336	ALISO CANYON	V	1	11/10/2021	11/10/2021	1.00	0.1080	0.11	LDAR >10K PPM	
7825873	ALISO CANYON	V	1	12/7/2021	12/7/2021	1.00	0.1080	0.11	LDAR >10K PPM	
7825899	ALISO CANYON	C	1	12/7/2021	12/7/2021	1.00	0.0288	0.03	LDAR >10K PPM	
7826000	ALISO CANYON	V	1	12/9/2021	12/9/2021	1.00	0.1080	0.11	LDAR >10K PPM	
7827665	ALISO CANYON	V	1	12/15/2021	12/17/2021	3.00	0.1080	0.32	LDAR >10K PPM	
	HONOR RANCHO	V	1	3/4/2021	3/4/2021	1.00	0.1080	0.11	LDAR >10K PPM	
	HONOR RANCHO	V	1	3/4/2021	3/5/2021	2.00	0.1080	0.22	LDAR >10K PPM	
	HONOR RANCHO	V	1	3/4/2021	3/5/2021	2.00	0.1080	0.22	LDAR >10K PPM	
7640592	HONOR RANCHO	C	1	3/22/2021	3/25/2021	4.00	0.0288	0.43	LDAR >10K PPM	
7640851	HONOR RANCHO	C	1	5/6/2021	5/11/2021	6.00	0.0288	0.17	LDAR >10K PPM	
	HONOR RANCHO	C	1	5/11/2021	5/13/2021	3.00	0.0288	0.09	LDAR >10K PPM	
	HONOR RANCHO	C	1	6/21/2021	6/21/2021	1.00	0.0288	0.03	LDAR >10K PPM	
	HONOR RANCHO	F	1	6/21/2021	6/22/2021	2.00	0.0912	0.18	LDAR >10K PPM	
	HONOR RANCHO	V	1	7/26/2021	7/26/2021	1.00	0.1080	0.11	LDAR >10K PPM	
	HONOR RANCHO	F	1	8/19/2021	8/20/2021	2.00	0.0912	0.18	LDAR >10K PPM	
	HONOR RANCHO	V	1	8/31/2021	9/3/2021	4.00	0.1080	0.43	LDAR >10K PPM	
	HONOR RANCHO	V	1	9/21/2021	9/21/2021	1.00	0.1080	0.11	LDAR >10K PPM	
	HONOR RANCHO	V	1	9/21/2021	9/21/2021	1.00	0.1080	0.11	LDAR >10K PPM	
	HONOR RANCHO	V	1	9/21/2021	9/21/2021	1.00	0.1080	0.11	LDAR >10K PPM	
	HONOR RANCHO	V	1	9/21/2021	9/21/2021	1.00	0.1080	0.11	LDAR >10K PPM	
	HONOR RANCHO	V	1	9/21/2021	9/21/2021	1.00	0.1080	0.11	LDAR >10K PPM	
	HONOR RANCHO	V	1	9/22/2021	9/22/2021	1.00	0.1080	0.11	LDAR >10K PPM	
	HONOR RANCHO	V	1	9/22/2021	9/22/2021	1.00	0.1080	0.11	LDAR >10K PPM	
	HONOR RANCHO	V	1	11/1/2021	11/1/2021	1.00	0.1080	0.11	LDAR >10K PPM	
	HONOR RANCHO	C	1	11/1/2021	11/1/2021	1.00	0.0288	0.03	LDAR >10K PPM	
	HONOR RANCHO	V	1	11/1/2021	11/1/2021	1.00	0.1080	0.11	LDAR >10K PPM	
	HONOR RANCHO	C	1	11/1/2021	11/1/2021	1.00	0.0288	0.03	LDAR >10K PPM	
7827393	HONOR RANCHO	C	1	12/13/2021	12/15/2021	3.00	0.0288	0.09	LDAR >10K PPM	
7827935	HONOR RANCHO	V	1	12/13/2021	12/15/2021	3.00	0.1080	0.32	LDAR >10K PPM	

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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

Underground Storage Blowdowns:

ID	Geographic Location	Source	Compressor Type	Number of Blowdown Events	Annual Emissions (Mscf)	Explanatory Notes / Comments
N/A	Honor Rancho	C	R	1658	976.29	Compressor start ups
N/A	Honor Rancho	W	N/A	116	245.90	Well/Field Blowdowns
N/A	Goleta	P	N/A	2	0.08	Pipeline Blowdowns
N/A	Goleta	W	N/A	85	292.00	Well and Field blowdowns
N/A	Goleta	C	R	34	64.00	Compressor Blowdowns
N/A	Aliso Canyon	O	N/A	237	506.01	Maintenance Blowdowns
N/A	Aliso Canyon	W	N/A	21	1.63	Well Blowdowns
N/A	Aliso Canyon	W	N/A	1	0.58	Well casing relief meters
N/A	Playa del Rey	P	N/A	59	38.50	Pipeline Blowdowns
N/A	Playa del Rey	O	N/A	1	0.28	Vessel/Tank Blowdowns
N/A	Aliso Canyon	N/A	N/A	202	5.45	Rotary Meter Inspections. Emission Factor = 27 scf/inspection
N/A	Goleta	N/A	N/A	24	0.65	Rotary Meter Inspections. Emission Factor = 27 scf/inspection
N/A	Honor Rancho	N/A	N/A	40	1.08	Rotary Meter Inspections. Emission Factor = 27 scf/inspection
N/A	Playa del Rey	N/A	N/A	106	2.86	Rotary Meter Inspections. Emission Factor = 27 scf/inspection
N/A	Aliso Canyon	N/A	N/A	178	1.25	Orifice Plate Meter Inspections - Plate Inspections Emission Factor = 7scf/inspection
N/A	Playa del Rey	N/A	N/A	195	1.37	Orifice Plate Meter Inspections - Plate Inspections Emission Factor = 7scf/inspection
N/A	Honor Rancho	N/A	N/A	28	0.20	Orifice Plate Meter Inspections - Plate Inspections Emission Factor = 7scf/inspection
N/A	Goleta	N/A	N/A	26	0.18	Orifice Plate Meter Inspections - Plate Inspections Emission Factor = 7scf/inspection
N/A	Playa del Rey	N/A	N/A	28	0.56	Regulator Inspections Quarterly Inspections on 6 units Emissions Factor = 20scf/inspection
N/A	Honor Rancho	N/A	N/A	1	0.02	Regulator Inspections Annual Inspections Emissions Factor = 20scf/inspection
N/A	Goleta	N/A	N/A	1	0.02	Regulator Inspections Annual Inspections Emissions Factor = 20scf/inspection
N/A	Aliso Canyon	N/A	N/A	312	6.24	Relief Valve Inspection - Isolation Valve - Emission Factor = 20scf/inspection. All of Aliso Canyon Relief Valves now have isolation valves.
N/A	Honor Rancho	N/A	N/A	224	4.48	Relief Valve Inspection - Isolation Valve - Emission Factor = 20scf/inspection
N/A	Goleta	N/A	N/A	80	1.60	Relief Valve Inspection - Isolation Valve - Emission Factor = 20scf/inspection
N/A	Goleta	N/A	N/A	6	0.24	Relief Valve Inspection - Non Isolation Valve - Emission Factor = 40scf/inspection
N/A	Playa del Rey	N/A	N/A	124	2.48	Relief Valve Inspection - Isolation Valve - Emission Factor = 20scf/inspection
N/A	Montebello	N/A	N/A	2	0.04	Relief Valve Inspection - Isolation Valve - Emission Factor = 20scf/inspection
				Total sum	2,154	

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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.

Underground Storage Component Vented Emissions (See note above):

ID	Geographic Location	Device Type	Bleed Rate	Manufacturer	Pressure (psi)	Survey Date (MM/DD/YY)	Number of Days Emitting	Emission Factor, Engineering or Manufacturer's based Estimate of Emissions (Mscf/day)	Annual Emissions (Mscf)	Explanatory Notes / Comments
57	Aliso Canyon	P	I	Misc	N/A	N/A	365	0.0576	1198.368	
46	Honor Rancho	P	I	Misc	N/A	N/A	365	0.0576	967.104	
3	Honor Rancho	P	I	Misc	N/A	N/A	365	0.0576	63.072	
2	Playa del Rey	P	I	Misc	N/A	N/A	365	0.0576	42.048	
9	La Goleta	P	I	Misc	N/A	N/A	365	0.0576	189.216	
Total sum									2,460	

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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 unintentional leaks that if repaired would not be leaking. If the component is releasing gas or "bleeding" as a result of its design or function then it is not to be captured in this tab.

Underground Storage: Compressor and Component Fugitive Leaks (see note above):

ID	Geographic Location	Device Type	Bleed Rate	Manufacturer	Pressure (psi)	Discovery Date (MM/DD/YY)	Repair Date (MM/DD/YY)	Prior Survey Date (MM/DD/YY)	Number of Days Leaking	Emission Factor or Engineering Estimate (Mscf/day)	Emissions (Mscf)	Explanatory Notes / Comments	
													12/31/2021
7547806	ALISO CANYON	C	N/A	N/A	N/A	2/5/21	2/27/21	2/4/2021	23.50	0.1342	3.15 Soap Test/ Audio Visual		
7569432	ALISO CANYON	C	N/A	N/A	N/A	2/22/21	2/22/21	2/21/2021	1.50	0.1342	0.20 Soap Test/ Audio Visual		
7573291	ALISO CANYON	C	N/A	N/A	N/A	2/25/21	2/25/21	2/24/2021	310.50	0.1342	41.67 Soap Test/ Audio Visual		
7599758	ALISO CANYON	C	N/A	N/A	N/A	3/31/21	3/31/21	3/30/2021	1.50	0.1342	0.20 Soap Test/ Audio Visual		
7599814	ALISO CANYON	C	N/A	N/A	N/A	3/31/21	4/1/21	3/30/2021	2.50	0.1342	0.34 Soap Test/ Audio Visual		
7613787	ALISO CANYON	C	N/A	N/A	N/A	4/8/21	4/9/21	4/7/2021	2.50	0.1342	0.34 Soap Test/ Audio Visual		
7617229	ALISO CANYON	C	N/A	N/A	N/A	4/8/21	4/9/21	4/7/2021	2.50	0.1342	0.34 Soap Test/ Audio Visual		
7617218	ALISO CANYON	C	N/A	N/A	N/A	4/9/21	4/9/21	4/8/2021	1.50	0.1342	0.20 Soap Test/ Audio Visual		
7617133	ALISO CANYON	C	N/A	N/A	N/A	4/12/21	14/22	4/11/2021	264.50	0.1342	35.50 Soap Test/ Audio Visual		
7618177	ALISO CANYON	C	N/A	N/A	N/A	4/19/21	4/23/21	4/18/2021	5.50	0.1342	0.74 Soap Test/ Audio Visual		
7670378	ALISO CANYON	C	N/A	N/A	N/A	5/21/21	M	6/20/2021	194.50	0.1342	26.10 Soap Test/ Audio Visual		
7619196	ALISO CANYON	C	N/A	N/A	N/A	11/15/21	11/15/21	11/12/2021	3.50	0.1342	0.47 Soap Test/ Audio Visual		
7798554	ALISO CANYON	C	N/A	N/A	N/A	11/22/21	11/23/21	11/21/2021	2.50	0.1342	0.34 Soap Test/ Audio Visual		
7829652	ALISO CANYON	C	N/A	N/A	N/A	12/19/21	12/19/21	12/18/2021	1.50	0.1342	0.20 Soap Test/ Audio Visual		
7829651	ALISO CANYON	C	N/A	N/A	N/A	12/20/21	12/19/21	12/19/2021	0.50	0.1342	0.07 Soap Test/ Audio Visual		
7829795	ALISO CANYON	C	N/A	N/A	N/A	12/21/21	M	12/20/2021	11.50	0.1342	1.54 Soap Test/ Audio Visual		
7598714	ALISO CANYON	V	N/A	N/A	N/A	3/25/21	M	3/24/2021	282.50	0.3562	100.63 Soap Test/ Audio Visual		
7599712	ALISO CANYON	V	N/A	N/A	N/A	3/30/21	M	3/29/2021	277.50	0.3562	98.85 Soap Test/ Audio Visual		
7649119	ALISO CANYON	V	N/A	N/A	N/A	5/26/21	M	5/25/2021	220.50	0.3562	78.54 Soap Test/ Audio Visual		
7649726	ALISO CANYON	V	N/A	N/A	N/A	5/29/21		5/28/2021	4.50	0.3562	1.60 Soap Test/ Audio Visual		
7678643	ALISO CANYON	V	N/A	N/A	N/A	7/2/21		7/1/2021	2.96	0.3562	1.05 Soap Test/ Audio Visual		
7703825	ALISO CANYON	V	N/A	N/A	N/A	7/20/21		7/19/2021	1.50	0.3562	0.53 Soap Test/ Audio Visual		
7703824	ALISO CANYON	V	N/A	N/A	N/A	7/26/21		7/25/2021	1.50	0.3562	0.53 Soap Test/ Audio Visual		
7704986	ALISO CANYON	V	N/A	N/A	N/A	7/30/21		7/29/2021	5.50	0.3562	1.96 Soap Test/ Audio Visual		
7753695	ALISO CANYON	V	N/A	N/A	N/A	9/27/21		9/26/2021	2.50	0.3562	0.89 Soap Test/ Audio Visual		
7613191	HONOR RANCHO	C	N/A	N/A	N/A	4/4/21		4/3/2021	1.50	0.1342	0.20 Soap Test/ Audio Visual		
7723822	HONOR RANCHO	C	N/A	N/A	N/A	8/20/21		8/19/2021	105.50	0.1342	14.16 Soap Test/ Audio Visual		
7723153	HONOR RANCHO	V	N/A	N/A	N/A	8/5/21		8/4/2021	12.50	0.3562	4.45 Soap Test/ Audio Visual		
7827599	LA GOLETA	C	N/A	N/A	N/A	11/30/2021	11/30/2021	7/28/2021	63.50	0.1342	8.52 Soap Test/ Audio Visual		
7827600	LA GOLETA	C	N/A	N/A	N/A	11/30/2021	11/30/2021	7/27/2021	64.00	0.1342	8.59 Soap Test/ Audio Visual		
7826002	LA GOLETA	C	N/A	N/A	N/A	12/1/2021	12/8/2021	7/27/2021	71.50	0.1342	9.60 Soap Test/ Audio Visual		
7826018	LA GOLETA	C	N/A	N/A	N/A	12/1/2021	12/8/2021	7/27/2021	71.50	0.1342	9.60 Soap Test/ Audio Visual		
7825998	LA GOLETA	O	N/A	N/A	N/A	12/1/2021	12/8/2021	7/28/2021	71.50	0.0984	6.99 Soap Test/ Audio Visual		
7826032	LA GOLETA	O	N/A	N/A	N/A	12/2/2021	12/9/2021	7/20/2021	75.00	0.0984	7.43 Soap Test/ Audio Visual		
7826031	LA GOLETA	V	N/A	N/A	N/A	12/1/2021	12/9/2021	7/27/2021	72.50	0.3562	25.82 Soap Test/ Audio Visual		
7826033	LA GOLETA	V	N/A	N/A	N/A	12/1/2021	12/9/2021	7/27/2021	65.50	0.3562	23.33 Soap Test/ Audio Visual		
7542939	PLAYA DEL REY	C	N/A	N/A	N/A	1/24/21		1/23/2021	4.50	0.1342	0.60 Soap Test/ Audio Visual		
7589293	PLAYA DEL REY	C	N/A	N/A	N/A	3/11/21		3/10/2021	2.50	0.1342	0.34 Soap Test/ Audio Visual		
7594053	PLAYA DEL REY	C	N/A	N/A	N/A	3/24/21		3/23/2021	48.50	0.1342	6.51 Soap Test/ Audio Visual		
7624334	PLAYA DEL REY	C	N/A	N/A	N/A	4/29/21		4/28/2021	183.50	0.1342	24.63 Soap Test/ Audio Visual		
7640700	PLAYA DEL REY	C	N/A	N/A	N/A	5/12/21		5/11/2021	121.50	0.1342	16.31 Soap Test/ Audio Visual		
7640735	PLAYA DEL REY	C	N/A	N/A	N/A	5/12/21		5/11/2021	133.50	0.1342	17.92 Soap Test/ Audio Visual		
7649895	PLAYA DEL REY	C	N/A	N/A	N/A	5/26/21		5/25/2021	119.50	0.1342	16.04 Soap Test/ Audio Visual		
7671130	PLAYA DEL REY	C	N/A	N/A	N/A	6/24/21		6/23/2021	28.50	0.1342	3.82 Soap Test/ Audio Visual		
7730425	PLAYA DEL REY	C	N/A	N/A	N/A	8/24/21		8/23/2021	2.50	0.1342	0.34 Soap Test/ Audio Visual		
7773206	PLAYA DEL REY	C	N/A	N/A	N/A	10/5/21		10/4/2021	19.50	0.1342	2.62 Soap Test/ Audio Visual		
7537636	PLAYA DEL REY	V	N/A	N/A	N/A	11/12/21		11/11/2021	157.50	0.3562	56.10 Soap Test/ Audio Visual		
7564295	PLAYA DEL REY	V	N/A	N/A	N/A	2/9/21		2/8/2021	18.50	0.3562	6.59 Soap Test/ Audio Visual		
7574234	PLAYA DEL REY	V	N/A	N/A	N/A	3/2/21		3/1/2021	1.50	0.3562	0.53 Soap Test/ Audio Visual		
7746838	PLAYA DEL REY	V	N/A	N/A	N/A	8/24/21		8/23/2021	2.50	0.3562	0.89 Soap Test/ Audio Visual		
7745686	PLAYA DEL REY	V	N/A	N/A	N/A	9/10/21		9/9/2021	96.50	0.3562	34.37 Soap Test/ Audio Visual		
NA	HONOR RANCHO	C	N/A	N/A	N/A	44231		44154	22.00	0.1342	2.9524 LDAR >10K PPM		
7565120	HONOR RANCHO	C	N/A	N/A	N/A	2/11/21		2/12/21	11/19/2020	22.50	0.1342	3.02 LDAR >10K PPM	
NA	HONOR RANCHO	C	N/A	N/A	N/A	44245		44154	26.00	0.1342	3.4892 LDAR >10K PPM		
NA	HONOR RANCHO	C	N/A	N/A	N/A	3/17/21		3/18/21	11/19/2020	39.50	0.1342	5.30 LDAR >10K PPM	
N/A	HONOR RANCHO	C	N/A	N/A	N/A	3/18/21		3/19/21	11/19/2020	40.00	0.1342	5.37 LDAR >10K PPM	
N/A	HONOR RANCHO	C	N/A	N/A	N/A	3/18/21		3/19/21	11/19/2020	40.00	0.1342	5.37 LDAR >10K PPM	
N/A	HONOR RANCHO	C	N/A	N/A	N/A	3/18/21		3/19/21	11/19/2020	40.00	0.1342	5.37 LDAR >10K PPM	
N/A	HONOR RANCHO	C	N/A	N/A	N/A	3/18/21		3/19/21	11/19/2020	40.00	0.1342	5.37 LDAR >10K PPM	
N/A	HONOR RANCHO	C	N/A	N/A	N/A	3/23/21		4/19/21	11/19/2020	68.50	0.1342	9.19 LDAR >10K PPM	
N/A	HONOR RANCHO	C	N/A	N/A	N/A	3/31/21		3/31/21	11/19/2020	45.50	0.1342	6.11 LDAR >10K PPM	
7638962	HONOR RANCHO	C	N/A	N/A	N/A	5/6/2021		5/8/2021	3/4/2020	65.50	0.1342	8.79 LDAR >10K PPM	
7638963	HONOR RANCHO	C	N/A	N/A	N/A	5/6/2021		5/8/2021	3/4/2020	65.50	0.1342	8.79 LDAR >10K PPM	
7775027	HONOR RANCHO	C	N/A	N/A	N/A	5/19/2021		10/23/2021	3/4/2020	196.00	0.1342	26.30 LDAR >10K PPM	
N/A	HONOR RANCHO	C	N/A	N/A	N/A	5/19/2021		10/23/2021	3/4/2020	196.00	0.1342	26.30 LDAR >10K PPM	
N/A	HONOR RANCHO	C	N/A	N/A	N/A	5/19/2021		5/19/2021	3/4/2020	70.00	0.1342	9.39 LDAR >10K PPM	
7651732	HONOR RANCHO	C	N/A	N/A	N/A	5/24/2021		6/4/2021	3/4/2020	52.50	0.1342	7.05 LDAR >10K PPM	
7651734	HONOR RANCHO	C	N/A	N/A	N/A	5/24/2021		6/4/2021	3/4/2020	52.50	0.1342	7.05 LDAR >10K PPM	
N/A	HONOR RANCHO	C	N/A	N/A	N/A	6/17/2021		10/26/2021	3/4/2020	184.50	0.1342	24.76 LDAR >10K PPM	
N/A	HONOR RANCHO	C	N/A	N/A	N/A	6/24/2021		10/26/2021	3/4/2021	184.00	0.1342	24.69 LDAR >10K PPM	
7703844	HONOR RANCHO	C	N/A	N/A	N/A	7/26/2021		7/27/2021	5/6/2021	42.50	0.1342	5.70 LDAR >10K PPM	
N/A	HONOR RANCHO	C	N/A	N/A	N/A	7/26/2021		7/27/2021	5/11/2021	40.00	0.1342	5.37 LDAR >10K PPM	
N/A	HONOR RANCHO	C	N/A	N/A	N/A	7/26/2021		7/26/2021	5/6/2021	41.50	0.1342	5.57 LDAR >10K PPM	
N/A	HONOR RANCHO	C	N/A	N/A	N/A	8/5/2021		8/6/2021	5/10/2021	45.50	0.1342	6.11 LDAR >10K PPM	
N/A	HONOR RANCHO	C	N/A	N/A	N/A	8/5/2021		8/6/2021	5/6/2021	47.50	0.1342	6.37 LDAR >10K PPM	
N/A	HONOR RANCHO	C	N/A	N/A	N/A	8/5/2021		8/6/2021	5/6/2021	47.50	0.1342	6.37 LDAR >10K PPM	
N/A	HONOR RANCHO	C	N/A	N/A	N/A	9/2/2021		9/2/2021	6/10/2021	53.50	0.1342	7.17 LDAR >10K PPM	
N/A	HONOR RANCHO	C	N/A	N/A	N/A	9/2/2021		9/2/2021	5/11/2021	68.50	0.1342	9.19 LDAR >10K PPM	
N/A	HONOR RANCHO	C	N/A	N/A	N/A	9/22/2021		9/22/2021	6/17/2021	49.50	0.1342	6.64 LDAR >10K PPM	
N/A	HONOR RANCHO	C	N/A	N/A	N/A	9/27/2021		9/28/2021	6/10/2021	56.50	0.1342	7.58 LDAR >10K PPM	
7769278	HONOR RANCHO	C	N/A	N/A	N/A	10/11/21		10/12/21	8/19/2021	28.50	0.1342	3.82 LDAR >10K PPM	
7827396	HONOR RANCHO	C	N/A	N/A	N/A	12/13/2021		12/16/2021	9/20/2021	46.00	0.1342	6.17 LDAR >10K PPM	
N/A	HONOR RANCHO	C	N/A	N/A	N/A	12/20/2021		12/20/2021	7/26/2021	74.50	0.1342	10.00 LDAR >10K PPM	
7598759	HONOR RANCHO	O	N/A	N/A	N/A	3/24/21		3/26/21	11/19/2020	44.00	0.0984	4.33 LDAR >10K PPM	
7599316	HONOR RANCHO	O	N/A	N/A	N/A	3/24/21		3/29/21	11/19/2020	47.00	0.0984	4.62 LDAR >10K PPM	
N/A	HONOR RANCHO	PRV	N/A	N/A	N/A	8/5/2021		8/5/2021	5/10/2021	45.50	0.3562	16.21 LDAR >10K PPM	
7572494	HONOR RANCHO	V	N/A	N/A	N/A	2/4/21		2/3/21	11/19/2020	37.00	0.3562	13.18 LDAR >10K PPM	
7572495	HONOR RANCHO	V	N/A	N/A	N/A	2/4/21		2/3/21	11/19/2020	37.00	0.3562	13.18 LDAR >10K PPM	
7565188	HONOR RANCHO	V	N/A	N/A	N/A	2/11/21		2/12/21	11/19/2020	22.50	0.3562	8.01 LDAR >10K PPM	
7567338	HONOR RANCHO	V	N/A	N/A	N/A	2/18/2021		2/19/2021	11/19/2020	26.00	0.3562	9.26 LDAR >10K PPM	
N/A	HONOR RANCHO	V	N/A	N/A	N/A	3/17/21		3/18/21	11/19/2020	39.50			

7704015	ALISO CANYON	C	N/A	N/A	N/A	7/28/2021	8/6/2021	4/29/2021	55.00	0.1342	7.38	LDAR > 10K PPM
7718576	ALISO CANYON	C	N/A	N/A	N/A	8/10/2021	8/12/2021	4/28/2021	55.00	0.1342	7.38	LDAR > 10K PPM
7723304	ALISO CANYON	C	N/A	N/A	N/A	8/17/21	8/20/21	6/2/2021	42.00	0.1342	5.64	LDAR > 10K PPM
7729270	ALISO CANYON	C	N/A	N/A	N/A	8/24/21	8/25/21	6/2/2021	43.50	0.1342	5.84	LDAR > 10K PPM
7730163	ALISO CANYON	C	N/A	N/A	N/A	8/30/21	8/30/21	6/28/2021	33.50	0.1342	4.50	LDAR > 10K PPM
7730167	ALISO CANYON	C	N/A	N/A	N/A	8/30/2021	9/1/2021	6/8/2021	44.50	0.1342	5.97	LDAR > 10K PPM
7730168	ALISO CANYON	C	N/A	N/A	N/A	8/30/21	8/31/21	6/8/2021	43.50	0.1342	5.84	LDAR > 10K PPM
77667026	ALISO CANYON	O	N/A	N/A	N/A	6/9/2021	6/10/2021	2/23/2021	55.00	0.0984	5.41	LDAR > 10K PPM
7705286	ALISO CANYON	PRV	N/A	N/A	N/A	8/4/2021	8/6/2021	5/5/2021	48.50	0.9518	46.16	LDAR > 10K PPM
7705287	ALISO CANYON	PRV	N/A	N/A	N/A	8/4/21	8/6/21	5/25/2021	38.50	0.9518	36.64	LDAR > 10K PPM
7649839	ALISO CANYON	V	N/A	N/A	N/A	6/2/2021	6/3/2021	2/23/2021	61.50	0.3562	18.34	LDAR > 10K PPM
7669561	ALISO CANYON	V	N/A	N/A	N/A	6/16/2021	6/21/2021	2/23/2021	51.50	0.3562	22.26	LDAR > 10K PPM
7670823	ALISO CANYON	V	N/A	N/A	N/A	6/22/2021	6/22/2021	2/23/2021	60.50	0.3562	21.55	LDAR > 10K PPM
7670824	ALISO CANYON	V	N/A	N/A	N/A	6/22/2021	6/22/2021	2/23/2021	61.50	0.3562	21.91	LDAR > 10K PPM
7718573	ALISO CANYON	V	N/A	N/A	N/A	8/10/2021	8/11/2021	4/28/2021	54.00	0.3562	19.23	LDAR > 10K PPM
7723293	ALISO CANYON	V	N/A	N/A	N/A	8/17/21	8/17/21	5/27/2021	42.00	0.3562	14.96	LDAR > 10K PPM
7723302	ALISO CANYON	V	N/A	N/A	N/A	8/17/21	8/19/21	6/1/2021	41.50	0.3562	14.78	LDAR > 10K PPM
7723303	ALISO CANYON	V	N/A	N/A	N/A	8/17/21	8/18/21	5/27/2021	43.00	0.3562	15.32	LDAR > 10K PPM
7723420	ALISO CANYON	V	N/A	N/A	N/A	8/18/21	8/18/21	6/1/2021	40.00	0.3562	14.25	LDAR > 10K PPM
7723421	ALISO CANYON	V	N/A	N/A	N/A	8/18/21	8/20/21	6/1/2021	42.00	0.3562	14.96	LDAR > 10K PPM
7745628	ALISO CANYON	V	N/A	N/A	N/A	8/18/21	8/18/21	6/28/2021	26.50	0.3562	9.44	LDAR > 10K PPM
7729417	ALISO CANYON	V	N/A	N/A	N/A	8/25/2021	8/26/2021	6/2/2021	44.00	0.3562	15.67	LDAR > 10K PPM
7730166	ALISO CANYON	V	N/A	N/A	N/A	8/30/21	8/31/21	6/28/2021	33.50	0.3562	11.93	LDAR > 10K PPM
7730169	ALISO CANYON	V	N/A	N/A	N/A	8/30/21	8/31/21	6/9/2021	43.00	0.3562	15.32	LDAR > 10K PPM
7730170	ALISO CANYON	V	N/A	N/A	N/A	8/30/21	8/31/21	6/9/2021	33.00	0.3562	11.75	LDAR > 10K PPM
7730171	ALISO CANYON	V	N/A	N/A	N/A	8/30/2021	8/30/2021	6/2/2021	45.50	0.3562	16.21	LDAR > 10K PPM
7730172	ALISO CANYON	V	N/A	N/A	N/A	8/30/21	8/31/21	6/9/2021	33.00	0.3562	11.75	LDAR > 10K PPM
7730176	ALISO CANYON	V	N/A	N/A	N/A	8/30/21	9/2/21	6/16/2021	41.50	0.3562	14.78	LDAR > 10K PPM
7564259	ALISO CANYON	C	N/A	N/A	N/A	2/8/2021	2/8/2021	11/16/2020	20.00	0.1342	2.68	LDAR > 10K PPM
7564260	ALISO CANYON	C	N/A	N/A	N/A	2/8/2021	2/8/2021	11/16/2020	20.00	0.1342	2.68	LDAR > 10K PPM
7564312	ALISO CANYON	C	N/A	N/A	N/A	2/9/2021	2/9/2021	11/16/2020	20.50	0.1342	2.75	LDAR > 10K PPM
7564314	ALISO CANYON	C	N/A	N/A	N/A	2/9/2021	2/9/2021	11/16/2020	20.50	0.1342	2.75	LDAR > 10K PPM
7591294	ALISO CANYON	C	N/A	N/A	N/A	3/15/2021	3/15/2021	11/16/2020	37.50	0.1342	5.03	LDAR > 10K PPM
7649137	ALISO CANYON	C	N/A	N/A	N/A	5/26/2021	5/26/2021	2/23/2021	47.00	0.1342	6.31	LDAR > 10K PPM
7649139	ALISO CANYON	C	N/A	N/A	N/A	5/26/2021	5/27/2021	2/23/2021	48.00	0.1342	6.44	LDAR > 10K PPM
7669562	ALISO CANYON	C	N/A	N/A	N/A	6/16/2021	6/17/2021	2/23/2021	58.50	0.1342	7.85	LDAR > 10K PPM
7669566	ALISO CANYON	C	N/A	N/A	N/A	6/16/2021	6/16/2021	2/23/2021	57.50	0.1342	7.72	LDAR > 10K PPM
7669577	ALISO CANYON	C	N/A	N/A	N/A	6/16/2021	6/16/2021	2/23/2021	57.50	0.1342	7.72	LDAR > 10K PPM
7670825	ALISO CANYON	C	N/A	N/A	N/A	6/22/2021	6/22/2021	2/23/2021	60.50	0.1342	8.12	LDAR > 10K PPM
7679680	ALISO CANYON	C	N/A	N/A	N/A	6/23/2021	6/23/2021	2/23/2021	61.00	0.1342	8.19	LDAR > 10K PPM
7718749	ALISO CANYON	C	N/A	N/A	N/A	8/12/2021	8/14/2021	5/5/2021	52.50	0.1342	7.05	LDAR > 10K PPM
7729478	ALISO CANYON	C	N/A	N/A	N/A	8/26/2021	8/26/2021	6/16/2021	36.50	0.1342	4.90	LDAR > 10K PPM
7775337	ALISO CANYON	C	N/A	N/A	N/A	10/25/2021	10/26/2021	8/12/2021	39.00	0.1342	5.23	LDAR > 10K PPM
7825950	ALISO CANYON	C	N/A	N/A	N/A	12/7/2021	12/7/2021	8/24/2021	53.50	0.1342	7.18	LDAR > 10K PPM
7564308	ALISO CANYON	F	N/A	N/A	N/A	2/9/2021	2/10/2021	11/16/2020	21.50	0.1342	2.89	LDAR > 10K PPM
7745678	ALISO CANYON	F	N/A	N/A	N/A	9/9/2021	9/9/2021	6/2/2021	50.50	0.1342	6.78	LDAR > 10K PPM
7775344	ALISO CANYON	F	N/A	N/A	N/A	10/26/2021	10/26/2021	9/9/2021	24.50	0.1342	3.29	LDAR > 10K PPM
7571907	ALISO CANYON	V	N/A	N/A	N/A	2/22/2021	2/22/2021	11/16/2020	27.00	0.3562	3.62	LDAR > 10K PPM
7647903	ALISO CANYON	V	N/A	N/A	N/A	5/25/2021	5/25/2021	2/23/2021	46.50	0.3562	16.56	LDAR > 10K PPM
7649149	ALISO CANYON	V	N/A	N/A	N/A	5/26/2021	5/26/2021	2/23/2021	47.00	0.3562	16.74	LDAR > 10K PPM
7718640	ALISO CANYON	V	N/A	N/A	N/A	8/11/2021	8/12/2021	4/29/2021	54.00	0.3562	19.23	LDAR > 10K PPM
7723294	ALISO CANYON	V	N/A	N/A	N/A	8/16/2021	8/19/2021	5/25/2021	45.50	0.3562	16.21	LDAR > 10K PPM
7729265	ALISO CANYON	V	N/A	N/A	N/A	8/24/2021	8/24/2021	5/26/2021	46.00	0.3562	16.39	LDAR > 10K PPM
7745679	ALISO CANYON	V	N/A	N/A	N/A	9/9/2021	9/9/2021	6/2/2021	50.50	0.3562	17.99	LDAR > 10K PPM
7775338	ALISO CANYON	V	N/A	N/A	N/A	10/25/2021	10/26/2021	8/12/2021	39.00	0.3562	13.89	LDAR > 10K PPM
7776556	ALISO CANYON	V	N/A	N/A	N/A	11/2/2021	11/2/2021	8/16/2021	40.00	0.3562	14.25	LDAR > 10K PPM
7795412	ALISO CANYON	V	N/A	N/A	N/A	11/18/2021	11/18/2021	8/26/2021	43.00	0.3562	15.32	LDAR > 10K PPM
7825947	ALISO CANYON	V	N/A	N/A	N/A	12/7/2021	12/7/2021	9/15/2021	42.50	0.3562	15.14	LDAR > 10K PPM
N/A	HONOR RANCHO	C	N/A	N/A	N/A	8/19/2021	10/21/2021	5/24/2021	107.50	0.1342	14.43	LDAR > 10K PPM
7730007	HONOR RANCHO	O	N/A	N/A	N/A	8/19/2021	8/28/2021	5/24/2021	53.50	0.0984	5.26	LDAR > 10K PPM
N/A	HONOR RANCHO	V	N/A	N/A	N/A	9/21/2021	9/22/2021	6/17/2021	50.00	0.3562	17.71	LDAR > 10K PPM
7618565	LA GOLETA	C	N/A	N/A	N/A	4/20/21	4/20/21	1/26/2021	43.00	0.1342	5.77	LDAR > 10K PPM
7624245	LA GOLETA	C	N/A	N/A	N/A	4/26/2021	5/5/2021	1/26/2021	55.00	0.1342	7.38	LDAR > 10K PPM
7624249	LA GOLETA	C	N/A	N/A	N/A	4/26/2021	5/5/2021	1/26/2021	56.00	0.1342	7.52	LDAR > 10K PPM
7624326	LA GOLETA	C	N/A	N/A	N/A	4/28/2021	4/29/2021	1/26/2021	48.00	0.1342	6.44	LDAR > 10K PPM
7624327	LA GOLETA	C	N/A	N/A	N/A	4/28/2021	4/29/2021	1/26/2021	48.00	0.1342	6.44	LDAR > 10K PPM
7640716	LA GOLETA	C	N/A	N/A	N/A	5/18/2021	5/18/2021	1/26/2021	61.00	0.1342	8.19	LDAR > 10K PPM
7640764	LA GOLETA	C	N/A	N/A	N/A	5/11/2021	5/14/2021	1/26/2021	56.50	0.1342	7.58	LDAR > 10K PPM
7640715	LA GOLETA	C	N/A	N/A	N/A	5/12/2021	5/25/2021	1/26/2021	67.00	0.1342	8.99	LDAR > 10K PPM
7640858	LA GOLETA	C	N/A	N/A	N/A	5/12/2021	5/12/2021	1/26/2021	54.00	0.1342	7.25	LDAR > 10K PPM
7641512	LA GOLETA	C	N/A	N/A	N/A	5/13/2021	5/17/2021	1/26/2021	58.50	0.1342	7.85	LDAR > 10K PPM
7641513	LA GOLETA	C	N/A	N/A	N/A	5/13/2021	5/17/2021	1/26/2021	58.50	0.1342	7.85	LDAR > 10K PPM
7638709	LA GOLETA	O	N/A	N/A	N/A	4/21/2021	10/6/2021	1/26/2021	21.50	0.0984	20.81	LDAR > 10K PPM
7641523	LA GOLETA	O	N/A	N/A	N/A	5/12/2021	5/13/2021	1/26/2021	55.00	0.0984	5.41	LDAR > 10K PPM
7641524	LA GOLETA	O	N/A	N/A	N/A	5/12/2021	5/13/2021	1/26/2021	55.00	0.0984	5.41	LDAR > 10K PPM
7680052	LA GOLETA	O	N/A	N/A	N/A	5/12/2021	5/18/2021	1/26/2021	60.00	0.0984	5.90	LDAR > 10K PPM
7680053	LA GOLETA	O	N/A	N/A	N/A	5/12/2021	5/18/2021	1/26/2021	60.00	0.0984	5.90	LDAR > 10K PPM
7546075	LA GOLETA	V	N/A	N/A	N/A	1/26/21	4/19/21	11/10/2020	96.50	0.3562	34.37	LDAR > 10K PPM
7546095	LA GOLETA	V	N/A	N/A	N/A	1/26/21	2/2/21	11/10/2020	20.50	0.3562	7.30	LDAR > 10K PPM
7547653	LA GOLETA	V	N/A	N/A	N/A	1/27/21	1/27/21	1/26/2021	1.50	0.3562	0.53	LDAR > 10K PPM
7547492	LA GOLETA	V	N/A	N/A	N/A	2/1/21	3/5/21	11/10/2020	48.50	0.3562	17.28	LDAR > 10K PPM
7572761	La Goleta	V	N/A	N/A	N/A	2/15/21	2/15/21	2/14/2021	2.35	0.3562	0.84	LDAR > 10K PPM
7618567	LA GOLETA	V	N/A	N/A	N/A	4/20/21	4/20/21	1/26/2021	43.00	0.3562	15.32	LDAR > 10K PPM
7638996	La Goleta	V	N/A	N/A	N/A	5/9/21	5/13/21	5/8/2021	5.50	0.3562	1.96	LDAR > 10K PPM
7640718	LA GOLETA	V	N/A	N/A	N/A	5/10/2021	5/13/2021	1/26/2021	56.00	0.3562	19.95	LDAR > 10K PPM
7680048	LA GOLETA	V	N/A	N/A	N/A	5/11/2021	5/11/2021	1/26/2021	53.50	0.3562	19.06	LDAR > 10K PPM
7640859	LA GOLETA	V	N/A	N/A	N/A	5/12/2021	5/12/2021	1/26/2021	54.00	0.3562	19.23	LDAR > 10K PPM
7640872	LA GOLETA	V	N/A	N/A	N/A	5/13/2021	5/14/2021	1/26/2021	55.50	0.3562	19.77	LDAR > 10K PPM
7613556	PLAYA DEL REY	C	N/A	N/A	N/A	4/2/21	4/2/21	2/23/2021	20.00	0.1342	2.68	LDAR > 10K PPM
7640688	PLAYA DEL REY	C	N/A	N/A	N/A	5/11/21	5/12/21	2/23/2021	40.50	0.1342	5.44	LDAR > 10K PPM
7641698	PLAYA DEL REY	C	N/A	N/A	N/A	5/18/21</						

7564330	PLAYA DEL REY	V	N/A	N/A	N/A	2/9/21	2/11/21	11/17/2020	22.50	0.3562	< 10K ppm leak, included for informational purposes only
7572704	PLAYA DEL REY	V	N/A	N/A	N/A	2/24/21	2/25/21	11/17/2020	29.00	0.3562	< 10K ppm leak, included for informational purposes only
7704993	PLAYA DEL REY	V	N/A	N/A	N/A	8/2/21	8/3/21	5/18/2021	40.00	0.3562	< 10K ppm leak, included for informational purposes only
7705094	PLAYA DEL REY	V	N/A	N/A	N/A	8/3/21	8/4/21	6/7/2021	30.50	0.3562	< 10K ppm leak, included for informational purposes only
7723187	PLAYA DEL REY	V	N/A	N/A	N/A	8/16/2021	8/18/2021	5/10/2021	52.00	0.3562	< 10K ppm leak, included for informational purposes only
7730097	PLAYA DEL REY	V	N/A	N/A	N/A	8/23/2021	8/25/2021	5/10/2021	55.50	0.3562	< 10K ppm leak, included for informational purposes only
7729283	PLAYA DEL REY	V	N/A	N/A	N/A	8/24/2021	11/6/2021	5/24/2021	121.00	0.3562	< 10K ppm leak, included for informational purposes only
7729364	PLAYA DEL REY	V	N/A	N/A	N/A	8/25/2021	8/31/2021	5/19/2021	56.00	0.3562	< 10K ppm leak, included for informational purposes only
7794655	PLAYA DEL REY	V	N/A	N/A	N/A	11/15/2021	11/23/2021	8/3/2021	61.00	0.3562	< 10K ppm leak, included for informational purposes only
7794668	PLAYA DEL REY	V	N/A	N/A	N/A	11/16/2021	11/16/2021	8/4/2021	53.00	0.3562	< 10K ppm leak, included for informational purposes only
7849458	PLAYA DEL REY	V	N/A	N/A	N/A	11/16/2021	11/16/2021	8/4/2021	53.00	0.3562	< 10K ppm leak, included for informational purposes only
7825338	PLAYA DEL REY	V	N/A	N/A	N/A	11/23/2021	12/6/2021	8/17/2021	63.00	0.3562	< 10K ppm leak, included for informational purposes only

SoCalGas, June 15th, 2022

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

**In Response to Data Request, R15-01-008 2022 June Report
Appendix 7; Rev. 03/30/22**

Pursuant to SB 1371, Leno - Natural gas leakage abatement, the California Public Utilities Commission (CPUC) requests that the following information be transmitted to the CPUC and the California Air Resources Board (CARB):
Note - Definitions in Data Request, R15-01-008 2022 June Report

The following question in the above mentioned data request is answered using the spreadsheets in this Appendix (#7):
(6) Calculable or estimated emissions and non-graded gas leaks, as defined in Data Request R15-01-008 2022 June Report.

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

Underground Storage Dehydrator Vented Emissions:

ID	Geographic Location	Type of Dehydrator (Glycol or Desiccant)	Vapor Recovery Unit or Thermal Oxidizer (Y/N)	Annual Volume of Gas Withdrawn (Mscf)	Emission Factor (Y/N)	Engineering Estimate (Y/N)	Annual Emissions (Mscf)	Explanatory Notes / Comments
N/A	Aliso Canyon	Glycol	Y	23,718,314.30	0	N/A	0	Dehy 1/Dehy 2: Flashed gas and regen vapor goes to a thermal oxidizer Dehy 3: Flashed gas and regen vapor recompressed into feed eas to dehy
N/A	Goleta	Glycol	Y	7,101,399.90	0	N/A	0	Flashed gas goes into plant fuel system and regen vapor goes to a thermal oxidizer
N/A	Honor Rancho	Glycol	Y	17,166,898.70	0	N/A	0	Dehy Train A/Dehy Train B: Flashed gas and regen vapor recompressed into feed gas to dehy
N/A	Playa del Rey	Glycol	Y	3,528,191.90	0	N/A	0	Flashed gas and regen vapor recompressed into low pressure processing system for gas distribution

Appendix 7 - Rev. 03/30/22

Header column "Comment" boxes displayed below for reference.	
Column Heading	Description and Definition of Required Contents (IF not self-explanatory)
Storage Leaks & Emissions	
ID	
Geographic Location	GIS, zip code, or equivalent
Source	W/C = wellhead connector W/V = wellhead valve W/PRV = wellhead pressure relief valve W/OEL = wellhead open-ended line W/F = wellhead flange W/O = wellhead other C = casing P = pipeline O = other
Number of Sources	
Discovery Date	Report Discovery Date if calculating wellhead component emissions using Leaker EFs
Repair Date	Report Discovery Date if calculating wellhead component emissions using Leaker EFs
Number of Days Leaking	Calculate Number of Days Leaking using the formula: Repair Date minus Discovery Date + 1 day
Emission Factor (Mscf/yr)	
Annual Emissions (Mscf)	
Explanatory Notes / Comments	

Compressor Vented Emissions	
ID	
Geographic Location	GIS, zip code, or equivalent
Compressor Type	C = centrifugal R = reciprocating
Prime Mover	E = electric motor C = internal combustion engine
Number of Cylinders in Compressor	
Number of Seals	
Seal Type	W = wet D = dry O = other
Measurement Frequency	A - Annual Q - Quarterly M - Monthly W - Weekly D - Daily
Emission Factor: Measurement Date - Pressurized Operations	
Operating Mode: Pressurized Operating (hours)	Use these EF columns as well as the columns for the Compressor Measurements noted in Columns R thru AB when they are applicable. If the data is not captured by the operator, then add a note explaining why the applicable measurement data was not recorded or available in the Explanatory Notes / Comments column.
Operating Mode: Pressurized Idle (hours)	
Operating Mode: Depressurized Idle (hours)	
Operating Mode: Offline (Hours)	
Emission Factor: Pressurized Operating (scf/hr)	
Emission Factor: Pressurized Idle (scf/hr)	
Emission Factor: Depressurized Idle (scf/hr)	

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

For the 2020 data reporting of compressor vented emissions: Where more than one measurement was taken during the year (e.g. after a maintenance cycle* monthly or

Emission Factor: Offline (scf/hr)	If the "Offline" hours are counted, then a measurement of "offline" emissions should be taken to determine whether emissions occur. (We should not assume they are zero.)
Emission Factor: Pressurized Operating - Rod Packing (scf/hr)	These are new columns for reporting year 2020 of 2019 data. These only apply to operators who during their operations and surveys of compressor stations measure their Compressor Vented Emissions for these components of the compressor. Not all gas operators measure vented emissions and establish flow rates for vented emissions while at the various modes of operation. The current regulations require an annual
Emission Factor: Pressurized Operating - Blowdown Valve (scf/hr)	<p>CPUC Staff strongly encourage more frequent measurement of the following compressor vented emissions. Compliance minimum is once annually, though Staff suggest the minimum frequency should be quarterly and measured at roughly the same time each quarter (e.g. on or around the component survey given mode of operation). More frequent measurements, e.g. monthly would be better due to the temporal changes in conditions that effect emissions. The more frequent measurements also provide an opportunity to detect worn rod packing or seals, which exacerbate emissions, and with timely awareness of suboptimal operations gas operators have an opportunity for accelerating maintenance to correct worn parts. The following steps for reporting more frequent measurements in 2019 are outlined in the adjacent cell, and should be provided if available.</p> <p>Advance notice for 2021 reporting, CPUC Staff will propose quarterly reporting at the winter workshop. Therefore, gas companies are requested to start measuring compressor emissions on at least a quarterly basis for the remainder of 2020, if not doing so already. This will ensure gas companies are prepared to report these emissions in accordingly in 2021.</p>
Emission Factor: Pressurized Operating - Wet Seal Oil Degassing Vent (scf/hr)	
Emission Factor: Pressurized Operating - Wet Seal (scf/hr)	
Emission Factor: Pressurized Operating - Dry Seal (scf/hr)	
Emission Factor: Pressurized Idle - Rod Packing (scf/hr)	
Emission Factor: Pressurized Idle - Blowdown Valve (scf/hr)	
Emission Factor: Pressurized Idle - Wet Seal Oil Degassing Vent (scf/hr)	
Emission Factor: Pressurized Idle - Wet Seal (scf/hr)	
Emission Factor: Pressurized Idle - Dry Seal (scf/hr)	
Emission Factor: Pressurized Idle - Isolation Valve (scf/hr)	
Emissions (Mscf)	
Explanatory Notes / Comments	

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

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

Blowdowns	
ID	
Geographic Location	GIS, zip code, or equivalent
Source	W = wellhead rework C = compressor P = pipeline O = other
CompressorType	C = centrifugal R = reciprocating
Number of Blowdown Events	
Annual Emissions(Mscf)	
Explanatory Notes / Comments	

Component Vented Emissions	
ID	
Geographic Location	GIS, zip code, or equivalent
Device Type	C = connector OE = open-ended line M = meter P = pneumatic device PR = pressure relief valve V = valve O = other devices

Bleed Rate	L = low bleed I = intermittent bleed H = high bleed NA = not applicable
Manufacturer	
Pressure (psi)	MOP = maximum operating pressure over the past year
Survey Date (MM/DD/YY)	
Number of Days Emitting	Because the emissions are a factor of design or function, these emissions counted for the entire year.
Emission Factor, Engineering or Manufacturer's based Estimate of Emissions (Mscf/day)	Explain in the comment column the basis for your emission estimate.
Annual Emissions (Mscf)	
Explanatory Notes / Comments	

Compressor and Component Leaks	
ID	
Geographic Location	GIS, zip code, or equivalent
Device Type	C = connector OE = open-ended line M = meter P = pneumatic device PR = pressure relief valve V = valve O = other devices
Bleed Rate	L = low bleed I = intermittent bleed H = high bleed NA = not applicable
Manufacturer	
Pressure (psi)	MOP = maximum operating pressure over the past year
Discovery Date (MM/DD/YY)	List the actual discovery date. If the leak was discovered in the year of interest, then we will assume the component was leaking from the beginning of the year for emissions reporting purposes.
Repair Date (MM/DD/YY)	Date that the component repair stopped the leak. Any associated blowdowns as a result of the repair should be included in the blowdowns tab.
Prior Survey Date (MM/DD/YY)	Before the discovery date of the leak, there was a "Prior Survey Date" when the compressor station was tested and no leak was found. There should be records as to when the compressor station was last surveyed. If the survey spanned two or more days, enter the final date. Note, a facility level survey date is sufficient to establish the prior survey date.

Number of Days Leaking	<p>The algorithm that is used for determining the number of days leaking should conform to the following guidance: For the number days leaking prior to the date of discovery (survey date in the year of interest), calculate the number of days between the Discovery Date and the Prior Survey Date then divided by 2. [Dividing by 2 approximates the average time leaking between the leak discovery and the prior survey date. See below guidance when a leak is discovered in a prior period and repaired in the year of interest.]</p> <p>(Discovery Date – Prior Survey Date)/2</p> <p>Calculate the number of days leaking after discovery (survey) date, by subtracting the discovery date from the repair date, unless the leak has not been repaired, where the number of days should be calculated by subtracting the discovery date from December 31 of the year of interest.*</p> <p>(Repair Date – Discovery Date), unless repair date greater than 12/31/XX then use 12/31/XX</p> <p>---</p> <p>Days Leaking = (Repair Date - Discovery Date) + (Discovery Date - Prior Survey Date)/2 +1</p> <p>* [This requires tracking the leak across different years, because the leak could be minor and conceivably span more than year before getting repaired. Therefore, in the cases where a leak is carried over to a subsequent year, an annual calculation should be made to reflect that the number of days leaking in the prior year have already been reported in the annual emissions inventory. In subsequent years the carried over leaks should reflect a beginning date of January 1 of the year of interest.]</p>
Emission Factor or Engineering Estimate (Mscf/day)	
Emissions (Mscf)	
Explanatory Notes / Comments	

Dehydrator Vented Emissions	
ID	
Geographic Location	GIS, zip code, or equivalent
Type of Dehydrator (Glycol or Desiccant)	
Vapor Recovery Unit OR Thermal Oxidizer (Y/N)	In order to claim 0 emissions, a Vapor Recovery Unit OR thermal oxidizer must be used 100% of the time during operation
Annual Volume of Gas Withdrawn (Mscf)	
Emission Factor (Y/N)	<p>If the glycol dehydrator has a Vapor Recovery Unit (VRU) or a thermal oxidizer, the emission factor is 0.</p> <p>If using a desiccant dehydrator, the emission factor is 2.23E-03 mt CH4/MMscf</p>
Engineering Estimate (Y/N)	If using an engineering estimate, please include an attachment of methodology or software used as a separate document. Record the annual emissions
Annual Emissions (Mscf)	<p>For dehydrators using an emission factor, annual emissions are calculated by multiplying annual volume of gas withdrawn and the emission factor</p> <p>For dehydrators using an engineering estimate, record the annual emissions</p>
Explanatory Notes / Comments	