

Daily Flare Monitoring Data - Bridgeton Landfill  
September 2020

Date	Average Device Flow* (scfm)			Total Avg. Flow** (scfm)
	Utility Flare (FL-100)	Utility Flare (FL-120)	Utility Flare (FL-140)	
9/1/2020	0	1,104	0	1,104
9/2/2020	0	1,062	0	1,062
9/3/2020	768	254	0	1,021
9/4/2020	1,017	0	0	1,017
9/5/2020	1,038	0	0	1,038
9/6/2020	1,036	0	0	1,036
9/7/2020	1,036	0	0	1,036
9/8/2020	1,025	0	0	1,025
9/9/2020	1,014	0	0	1,014
9/10/2020	1,027	0	0	1,027
9/11/2020	1,068	0	0	1,068
9/12/2020	1,047	0	0	1,047
9/13/2020	1,040	0	0	1,040
9/14/2020	1,054	0	0	1,054
9/15/2020	1,053	0	0	1,053
9/16/2020	1,052	0	0	1,052
9/17/2020	1,066	0	0	1,066
9/18/2020	1,072	0	0	1,072
9/19/2020	1,078	0	0	1,078
9/20/2020	1,073	0	0	1,073
9/21/2020	1,084	0	0	1,084
9/22/2020	1,081	0	0	1,081
9/23/2020	1,061	0	0	1,061
9/24/2020	1,058	14	0	1,073
9/25/2020	1,086	0	0	1,086
9/26/2020	1,099	0	0	1,099
9/27/2020	1,077	0	0	1,077
9/28/2020	1,073	0	0	1,073
9/29/2020	1,021	32	0	1,053
9/30/2020	1,074	0	0	1,074
<b>AVERAGE</b>	<b>976</b>	<b>82</b>	<b>0</b>	<b>1,058</b>
<p>* Flows normalized to **Blower Outlet Flowmeter - EPA Method 2 measurement verified</p> <p>*** On 3/18/2016, the Bridgeton Landfill began separating the North Quarry gas to the Auxiliary Flare.</p> <p>On 10/8/19, the Bridgeton Landfill combined the North Quarry gas and the South Quarry Gas to the Main Flare</p>				

Flare Station Lab Data

South Quarry

Date	CH4	CO2	O2	N2	H2	CO (ppm)	Comments:
7/9/2019	15.0	38.0	5.7	32.0	7.6	270	Gas concentrations based on average of Blower Outlet A and Blower Outlet B
7/16/2019	16.0	36.0	5.8	33.0	8.1	275	Gas concentrations based on average of Blower Outlet A and Blower Outlet B
8/9/2019	17.6	40.5	4.6	27.9	8.2	330	Gas concentrations based on average of Blower Outlet A and Blower Outlet B
9/9/2019	17.4	37.4	5.5	30.7	7.9	290	Gas concentrations based on average of Blower Outlet A and Blower Outlet B
9/13/2019	17.4	37.2	5.6	30.5	8.1	290	Gas concentrations based on average of Blower Outlet A and Blower Outlet B
10/9/2019	25.6	37.4	4.3	25.8	6.2	220	Gas concentrations based on average of Blower Outlet A and Blower Outlet B
11/7/2019	24.7	37.5	4.6	26.2	6.4	205	Gas concentrations based on average of Blower Outlet A and Blower Outlet B
12/5/2019	24.5	36.0	5.3	27.5	6.2	195	Gas concentrations based on average of Blower Outlet A and Blower Outlet B
1/3/2020	25.0	36.0	5.2	27.5	5.9	200	Gas concentrations based on average of Blower Outlet A and Blower Outlet B
2/6/2020	24.5	33.0	6.4	30.0	5.8	180	Gas concentrations based on average of Blower Outlet A and Blower Outlet B
3/4/2020	23.5	38.0	5.3	28.0	5.1	160	Gas concentrations based on average of Blower Outlet A and Blower Outlet B
4/6/2020	26.0	37.5	4.6	26.5	5.2	160	Gas concentrations based on average of Blower Outlet A and Blower Outlet B
5/5/2020	23.5	36.5	5.4	28.5	4.9	145	Gas concentrations based on average of Blower Outlet A and Blower Outlet B
6/3/2020	26.0	40.0	3.8	23.5	5.5	150	Gas concentrations based on average of Blower Outlet A and Blower Outlet B
7/6/2020	26.0	40.0	3.7	24.0	5.3	150	Gas concentrations based on average of Blower Outlet A and Blower Outlet B
8/4/2020	25.0	37.5	4.6	26.0	5.8	125	Gas concentrations based on average of Blower Outlet A and Blower Outlet B
9/3/2020	28.5	40.0	3.7	21.5	6.0	130	Gas concentrations based on average of Blower Outlet A and Blower Outlet B
10/6/2020	28.0	40.0	3.7	24.0	4.0	120	Gas concentrations based on average of Blower Outlet A and Blower Outlet B

North Quarry

Date	CH4	CO2	O2	N2	H2	CO (ppm)	Comments:
7/9/2019	48.0	40.0	ND	9.5	0.50	ND	Gas concentrations based on average of NQ EP14 A and EP14 B
8/9/2019	45.9	36.2	2.4	14.4	ND	ND	Gas concentrations based on average of NQ EP14 A and EP14 B
9/9/2019	49.2	36.7	2.1	11.7	0.32	ND	Gas concentrations based on average of NQ EP14 A and EP14 B

Date	South Quarry						North Quarry						Flare Sta #2 FL-100	Flare Sta #3 FL-120	Flare Sta #1 FL-140	SQ Flare Station Total Utility Flare Flow	NQ Utility Flare Flow (scfm)	Total Flow
	CH4	CO2	O2	Bal.	Press./Vac.	Gas Inlet Temp (°F)	CH4	CO2	O2	Bal.	Press./V ac.	Gas Inlet Temp (°F)	Flow (scfm)	Flow (scfm)	Flow (scfm)	Flow (scfm)	Flow (scfm)	scfm
9/1/2019													0	842	0	842	264	1106
9/2/2019													0	862	0	862	343	1205
9/3/2019	19.9	39.5	4.6	36	9.79	92.9	52.7	38.8	0.5	8	1.17	96.4	0	875	0	875	306	1181
9/4/2019	17.8	39.8	5.2	37.2	9.81	92	51.7	38	0.8	9.5	1.02	87.7	0	864	0	865	282	1147
9/5/2019	18.7	38.5	5.1	37.7	9.96	83	52.3	37.9	0.9	8.9	1.25	82	0	878	0	878	284	1162
9/6/2019	18.4	41.4	4.7	35.5	9.51	89	52.4	39	0.4	8.2	1.09	86.6	0	891	0	891	284	1175
9/7/2019													0	891	0	891	279	1170
9/8/2019													0	865	0	865	272	1137
9/9/2019	18	40.6	4.8	36.6	9.47	87	51.9	38.4	0.6	9.1	1.06	84.4	0	891	0	891	279	1170
9/10/2019	17.7	40.1	5.1	37.1	9.77	94	51.7	38.9	0.6	8.8	0.69	88.4	287	641	0	929	280	1209
9/11/2019	17.9	40.2	5	36.9	10.15	95	51.9	39.2	0.5	8.4	1.1	88.4	0	923	0	923	292	1215
9/12/2019	17.8	38.4	5.1	38.7	10.62	95.5	52.2	38.2	0.8	8.8	1.43	90.1	0	930	0	930	219	1149
9/13/2019	18	39.9	5.2	36.9	10.15	95	52.1	38.4	0.8	8.7	1.28	88.7	0	906	0	906	295	1201
9/14/2019													0	897	0	897	297	1195
9/15/2019													0	908	0	908	300	1208
9/16/2019	18.2	39.2	4.7	37.9	10.74	94	51.5	38.1	0.6	9.8	1.1	88.4	0	1,045	0	1045	172	1217
9/17/2019	26.2	38.5	3.9	31.4	11.5	93	52.8	38.9	0.5	7.8	1.39	116.3	0	1,085	0	1085	121	1206
9/18/2019	18	40.4	4.8	36.8	10.19	93	51.5	38	0.7	9.8	1.02	86.3	0	922	0	923	300	1223
9/19/2019	17.8	40.2	5	37	9.81	91.6	51.3	38.7	0.7	9.3	0.66	86.5	0	927	0	927	302	1229
9/20/2019	18.2	39.1	4.8	37.9	10.15	94	51.3	37.8	0.5	10.4	1.3	88	0	900	0	900	298	1198
9/21/2019													0	892	0	892	296	1188
9/22/2019													0	885	0	885	295	1179
9/23/2019	17.7	37.8	5.4	39.1	9.89	85	50.2	36.9	1.3	11.6	1.13	81.2	0	891	0	891	285	1176
9/24/2019	17.6	38.9	5	38.5	10.15	82	50.9	37.3	0.9	10.9	1.12	82.1	0	883	0	883	285	1168
9/25/2019	18.5	39.8	4.9	36.8	9.81	85	52.1	38.4	0.4	9.1	1.12	83.3	0	880	0	880	280	1160
9/26/2019	17.7	39.8	5.6	36.9	10.15	82	51.3	38.2	0.6	9.9	1.26	78.7	0	873	0	873	279	1152
9/27/2019	18.7	41	4.8	35.5	9.81	83	51.8	39	0.7	8.5	0.68	80.9	0	890	0	890	286	1176
9/28/2019													0	869	0	869	287	1156
9/29/2019													0	884	0	884	291	1176
9/30/2019	17.8	39.2	5.2	37.8	10.15	92	50.7	37.9	0.7	10.7	1.24	87	0	899	0	899	296	1195
10/1/2019	17.9	39.2	5.1	37.8	9.81	93	50.6	38.5	0.8	10.1	1.57	87.7	0	912	0	912	300	1211
10/2/2019	17.5	36.7	5.4	40.4	10.19	92	50.6	37.1	0.8	11.5	1	86.6	0	900	0	900	301	1201
10/3/2019	17.3	39	5.7	38	9.85	91	50.5	38	0.8	10.7	1.25	85.4	0	870	0	870	289	1159
10/4/2019	16.4	36.9	6.1	40.6	9.47	70	50.3	37.8	0.7	11.2	1.14	69.5	0	869	0	869	291	1160
10/5/2019													0	878	0	878	293	1171
10/6/2019													0	860	0	860	286	1147
10/7/2019	16.9	37.5	6.1	39.5	9.81	70	50.4	37.7	0.9	11	0.93	68.9	0	875	0	875	290	1165
10/8/2019	17	36.8	5.8	40.4	9.89	69	48.6	35.7	1.5	14.2	0.72	68.3	0	1,054	0	1054	94	1148
10/9/2019	25.2	38.3	4.5	32	10.36	70							0	1,147	0	1147		1147
10/10/2019	24.9	36.5	4.6	34	11.23	81.7							0	1,134	0	1134		1134
10/11/2019	25.8	37.1	4.6	32.5	10.74	70.5							0	1,079	0	1079		1079
10/12/2019													0	1,069	0	1070		1070
10/13/2019													0	1,108	0	1108		1108
10/14/2019	24.4	35.9	4.9	34.8	10.49	63							0	1,122	0	1122		1122
10/15/2019	26.1	38.1	4.2	31.6	10.53	73							0	1,110	0	1110		1110
10/16/2019	24.9	35.9	5.1	34.1	10.47	62.1							0	1,093	0	1093		1093
10/17/2019	24.4	35.7	4.9	35	10.49	58							0	1,115	0	1115		1115
10/18/2019	24.9	36.7	4.6	33.8	10.82	64							0	1,129	0	1129		1129
10/19/2019													0	1,128	0	1128		1128
10/20/2019													0	1,131	0	1131		1131

Date	South Quarry						North Quarry						Flare Sta #2 FL-100	Flare Sta #3 FL-120	Flare Sta #1 FL-140	SQ Flare Station Total Utility Flare Flow	NQ Utility Flare Flow (scfm)	Total Flow
	CH4	CO2	O2	Bal.	Press./Vac.	Gas Inlet Temp (°F)	CH4	CO2	O2	Bal.	Press./V ac.	Gas Inlet Temp (°F)	Flow (scfm)	Flow (scfm)	Flow (scfm)	Flow (scfm)	Flow (scfm)	scfm
10/21/2019	26.7	39.6	3.7	30	10.57	78							0	1,114	0	1114		1114
10/22/2019	25.1	36.4	4.6	33.9	10.27	67							183	852	0	1035		1035
10/23/2019	24.6	37.2	4.7	33.5	10.61	61							0	1,109	0	1109		1109
10/24/2019	23.7	35.4	5.1	35.8	10.49	68							0	1,063	0	1063		1063
10/25/2019	25.6	37.1	4.3	33	10.61	63							0	1,030	0	1030		1030
10/26/2019													0	999	0	1000		1000
10/27/2019													22	627	14	663		663
10/28/2019	28.4	42.1	2.9	26.6	9.81	69							446	380	0	825		825
10/29/2019	27.1	37.8	3.6	31.5	12.39	59							1,008	0	0	1009		1009
10/30/2019	27.2	39.7	3.5	29.6	10.49	53							1,009	0	0	1009		1009
10/31/2019	27.4	37.9	3.8	30.9	14.55	50							1,006	0	0	1006		1006
11/1/2019	25.1	36.6	4.7	33.6	12.52	46							489	545	0	1034		1034
11/2/2019													0	1,029	0	1029		1029
11/3/2019													0	1,047	0	1047		1047
11/4/2019	26.6	38.3	4	31.1	10.06	62							0	1,043	0	1043		1043
11/5/2019	25.4	38	4.3	32.3	10.49	61							0	1,043	0	1043		1043
11/6/2019	26.1	37.3	4.1	32.5	10.53	60							0	1,055	0	1055		1055
11/7/2019	24	34	5.6	36.4	9.64	52							0	1,005	0	1005		1005
11/8/2019													0	1,001	0	1001		1001
11/9/2019													0	1,058	0	1058		1058
11/10/2019	26.6	39.3	3.6	30.5	10.49	90.3							0	1,058	0	1058		1058
11/11/2019	23.8	36.4	5.7	34.1	9.94	55							0	1,018	0	1018		1018
11/12/2019	22.7	34.6	6.3	36.4	10.02	30.5							0	989	0	989		989
11/13/2019	25.2	38.1	4.7	32	9.85	33							0	1,022	0	1023		1023
11/14/2019	25.2	36.1	5.1	33.6	10.49	48							0	1,037	0	1037		1037
11/15/2019	23.9	36.5	5.3	34.3	10.15	42							0	1,053	0	1054		1054
11/16/2019													0	1,061	0	1061		1061
11/17/2019													0	1,051	0	1051		1051
11/18/2019	25.1	37.5	4.7	32.7	10.49	58							0	1,048	0	1048		1048
11/19/2019	24.8	37.6	4.7	32.9	10.36	62							0	1,058	0	1058		1058
11/20/2019	23.2	34.7	5.6	36.5	10.44	56							0	1,070	0	1070		1070
11/21/2019	25.7	38.6	4.6	31.1	10.7	67							0	1,078	0	1078		1078
11/22/2019	23.8	35.4	5.5	35.3	10.44	53							0	1,060	0	1060		1060
11/23/2019													0	1,059	0	1059		1059
11/24/2019													0	1,071	0	1071		1071
11/25/2019	24.9	36.9	4.9	33.3	10.49	60.5							0	1,095	0	1095		1095
11/26/2019	25.2	36.6	4.7	33.5	10.7	60.3							0	1,114	0	1114		1114
11/27/2019	23.1	32.9	6.1	37.9	10.23	59.3							0	1,064	0	1064		1064
11/28/2019													0	1,124	0	1124		1124
11/29/2019	25.6	36.3	4.7	33.4	10.49	53.6							84	998	0	1082		1082
11/30/2019													0	983	0	983		983
12/1/2019													0	1,063	0	1063		1063
12/2/2019	24.1	35.3	5.7	34.9	10.15	46.9							496	518	0	1014		1014
12/3/2019	24.8	35.3	4.9	35	10.87	45							453	444	23	919		919
12/4/2019	23.9	35.1	5.2	35.8	12.18	55.3							0	1,085	0	1085		1085
12/5/2019	23.8	35.6	5.5	35.1	10.15	51.7							0	1,076	0	1076		1076
12/6/2019	23.9	34.6	5.5	36	11.04	62.3							46	1,008	0	1054		1054
12/7/2019													0	1,064	0	1064		1064
12/8/2019													0	1,060	0	1060		1060
12/9/2019	25.8	38	4.2	32	10.15	64.9							0	1,046	0	1046		1046

Date	South Quarry						North Quarry						Flare Sta #2 FL-100	Flare Sta #3 FL-120	Flare Sta #1 FL-140	SQ Flare Station Total Utility Flare Flow	NQ Utility Flare Flow (scfm)	Total Flow
	CH4	CO2	O2	Bal.	Press./Vac.	Gas Inlet Temp (°F)	CH4	CO2	O2	Bal.	Press./V ac.	Gas Inlet Temp (°F)	Flow (scfm)	Flow (scfm)	Flow (scfm)	Flow (scfm)	Flow (scfm)	scfm
12/10/2019	22.7	29.9	6.6	40.8	10.53	39.4						0	1,025	0	1025		1025	
12/11/2019	22.9	33.9	5.9	37.3	10.49	39.3						0	1,048	0	1048		1048	
12/12/2019	23.9	35.1	5.2	35.8	10.49	51.6						0	1,058	0	1058		1058	
12/13/2019	25.4	36.4	4.6	33.6	10.61	54.2						0	1,060	0	1060		1060	
12/14/2019												0	1,033	0	1033		1033	
12/15/2019												0	1,022	0	1022		1022	
12/16/2019	24.7	36	5.3	34	10.49	43						0	1,016	0	1016		1016	
12/17/2019	23.4	35.4	5.8	35.4	10.49	41						0	1,017	0	1017		1017	
12/18/2019	23.7	34.9	5.8	35.6	10.15	37.8						0	1,033	0	1033		1033	
12/19/2019	23.8	34.8	5.8	35.6	10.7	40.2						0	1,044	0	1044		1044	
12/20/2019	24.5	34	5.5	36	10.17	46						0	1,044	0	1044		1044	
12/21/2019												0	1,046	0	1046		1046	
12/22/2019												0	1,055	0	1055		1055	
12/23/2019	24.8	36.5	5.2	33.5	10.57	49.8						0	1,072	0	1072		1072	
12/24/2019	25.7	35.2	5.2	33.9	10.22	53.7						0	1,066	0	1066		1066	
12/25/2019												0	1,073	0	1073		1073	
12/26/2019	25.3	35.4	4.9	34.4	10.57	70.1						0	1,000	0	1000		1000	
12/27/2019	24.8	33.5	5.5	36.2	10.3	57.4						0	1,057	0	1057		1057	
12/28/2019												0	1,069	0	1069		1069	
12/29/2019												0	1,050	0	1050		1050	
12/30/2019	25.4	35.4	5	34.2	10.49	52.2						0	1,029	0	1029		1029	
12/31/2019	25.8	35.1	5.1	34	11.65	50.4						0	1,022	0	1022		1022	
1/1/2020												0	1,047	0	1047		1047	
1/2/2020	25.8	37	4.8	32.4	10.49	57.4						0	1,046	0	1046		1046	
1/3/2020	24.9	34.2	5.2	35.7	10.49	57.4						0	1,038	0	1038		1038	
1/4/2020												0	1,028	0	1028		1028	
1/5/2020												0	1,039	0	1039		1039	
1/6/2020	23.5	33.7	5.9	36.9	10.49	47						0	1,038	0	1038		1038	
1/7/2020	23.9	35	5.4	35.7	10.49	48.9						0	1,033	0	1034		1034	
1/8/2020	23	31.6	6	39.4	10.19	48.2						0	1,076	0	1076		1076	
1/9/2020	24.8	36	5.1	34.1	10.61	61.9						0	1,129	0	1129		1129	
1/10/2020	25.6	35.8	4.7	33.9	10.53	68.9						0	1,130	0	1130		1130	
1/11/2020												0	1,076	0	1076		1076	
1/12/2020												0	1,053	0	1054		1054	
1/13/2020	24.4	33.4	5.6	36.6	10.15	47.5						0	1,071	0	1071		1071	
1/14/2020	24.9	35	5.3	34.8	10.15	49.7						0	1,088	0	1088		1088	
1/15/2020	25.3	36.5	5.1	33.1	10.74	60.9						0	1,100	0	1100		1100	
1/16/2020	22.1	32.2	6.8	38.9	10.49	39.3						0	1,067	0	1067		1067	
1/17/2020	26.2	34.5	5.4	33.9	9.62	42.8						0	1,064	0	1065		1065	
1/18/2020												0	1,063	0	1064		1064	
1/19/2020												0	1,023	0	1024		1024	
1/20/2020	23.3	32	6.8	37.9	9.64	32						0	1,026	0	1026		1026	
1/21/2020	24.5	34.4	5.9	35.2	10.15	35.1						0	1,054	0	1055		1055	
1/22/2020	25.1	34.4	5.6	34.9	10.78	39.7						0	1,061	0	1062		1062	
1/23/2020	26.3	35.5	4.8	33.4	10.49	46.9						0	1,056	0	1056		1056	
1/24/2020	26.5	36.8	4.8	31.9	10.49	48.7						0	1,047	0	1047		1047	
1/25/2020												0	1,039	0	1040		1040	
1/26/2020												0	1,054	0	1054		1054	
1/27/2020	25.5	34.3	5.4	34.8	10.49	46.6						0	1,054	0	1054		1054	
1/28/2020	25.6	33.9	5.5	35	10.7	46						0	1,059	0	1059		1059	

Date	South Quarry						North Quarry						Flare Sta #2 FL-100	Flare Sta #3 FL-120	Flare Sta #1 FL-140	SQ Flare Station Total Utility Flare Flow	NQ Utility Flare Flow (scfm)	Total Flow
	CH4	CO2	O2	Bal.	Press./Vac.	Gas Inlet Temp (°F)	CH4	CO2	O2	Bal.	Press./V ac.	Gas Inlet Temp (°F)	Flow (scfm)	Flow (scfm)	Flow (scfm)	Flow (scfm)	Flow (scfm)	scfm
1/29/2020	25.5	34.1	5.4	35	10.57	45.6						0	1,053	0	1053		1053	
1/30/2020	25.2	35.4	5.5	33.9	10.7	46.9						0	1,051	0	1051		1051	
1/31/2020	26.1	36.2	5.1	32.6	10.15	51.8						0	1,052	0	1053		1053	
2/1/2020												0	1,057	0	1057		1057	
2/2/2020												0	1,077	0	1077		1077	
2/3/2020	26.9	37.5	4.6	31	10.82	58.2						0	1,084	0	1084		1084	
2/4/2020	25.5	35.1	5.4	34	10.19	58.2						0	1,055	0	1055		1055	
2/5/2020	26.1	35	5.1	33.8	9.92	48.1						0	1,055	0	1055		1055	
2/6/2020	26.7	35.5	5	32.8	10.02	42.7						0	1,053	0	1053		1053	
2/7/2020	25.3	34.5	5.6	34.6	10.49	42.5						0	1,041	0	1042		1042	
2/8/2020												0	1,053	0	1054		1054	
2/9/2020												0	1,072	0	1072		1072	
2/10/2020	24.2	31.9	5.8	38.1	10.25	50.1						0	1,063	0	1063		1063	
2/11/2020	24.5	34.3	5.4	35.8	10.25	49.9						0	1,061	0	1061		1061	
2/12/2020	26.3	35.9	4.8	33	10.31	50.3						0	1,050	0	1051		1051	
2/13/2020	24.7	31.4	6.1	37.8	9.88	38.8						0	989	0	990		990	
2/14/2020	23.5	31.3	7	38.2	10.43	30						0	981	0	982		982	
2/15/2020												0	1,032	0	1032		1032	
2/16/2020												0	1,057	0	1057		1057	
2/17/2020	26.3	35.2	4.8	33.7	10.07	55						0	1,070	0	1070		1070	
2/18/2020	24.5	33.4	5.6	36.5	10.25	51.7						0	1,042	0	1043		1043	
2/19/2020	23.5	32.3	6.1	38.1	10.27	41.2						0	1,049	0	1049		1049	
2/20/2020	24.9	33.3	5.8	36	9.92	40.3						0	1,051	0	1052		1052	
2/21/2020	23.4	33.3	5.7	37.6	9.68	33.2						0	1,074	0	1074		1074	
2/22/2020												0	1,088	0	1088		1088	
2/23/2020												0	1,095	0	1095		1095	
2/24/2020	26.5	36.4	4.4	32.7	10.14	57						0	1,085	0	1085		1085	
2/25/2020	25.4	35.4	5	34.2	9.51	50						0	1,064	0	1064		1064	
2/26/2020	24.1	33.1	5.6	37.2	9.81	43.7						0	1,065	0	1065		1065	
2/27/2020	24.3	32.9	5.6	37.2	9.68	39.7						0	1,070	0	1071		1071	
2/28/2020	24.5	33.7	5.5	36.3	9.81	43						0	1,072	0	1072		1072	
2/29/2020												0	1,087	0	1087		1087	
3/1/2020												0	1,130	0	1131		1131	
3/2/2020	24.4	34.6	5.4	35.6	10.14	63.8						0	1,113	0	1113		1113	
3/3/2020	25	33.7	5.2	36.1	10.68	59.2						0	1,101	0	1101		1101	
3/4/2020	24.2	34.8	5.4	35.6	10.31	60						0	1,122	0	1122		1122	
3/5/2020	24.2	33.9	5.4	36.5	10.74	54.9						0	1,102	0	1102		1102	
3/6/2020	23	32.1	6	38.9	10.56	54						0	1,080	0	1080		1080	
3/7/2020												0	1,098	0	1099		1099	
3/8/2020												0	1,120	0	1120		1120	
3/9/2020	25.1	35.2	5	34.7	10.31	71.3						0	1,115	0	1115		1115	
3/10/2020	24.3	33.8	5.4	36.5	10.13	55.7						0	1,067	0	1067		1067	
3/11/2020	26	34.2	4.8	35	9.95	55.6						0	1,092	0	1092		1092	
3/12/2020	26.6	37.2	4.2	32	10.19	60.8						0	1,075	0	1075		1075	
3/13/2020	24.1	34.4	5.6	35.9	10.07	54.1						0	1,040	0	1040		1040	
3/14/2020												0	1,048	0	1048		1048	
3/15/2020												0	1,045	0	1045		1045	
3/16/2020	26.5	36	4.8	32.7	10.02	51.6						0	1,057	0	1057		1057	
3/17/2020	25.7	37.1	5.1	32.1	9.81	57						0	1,064	0	1064		1064	
3/18/2020	27.5	37.4	4.1	31	9.89	58.5						0	1,072	0	1072		1072	

Date	South Quarry						North Quarry						Flare Sta #2 FL-100	Flare Sta #3 FL-120	Flare Sta #1 FL-140	SQ Flare Station Total Utility Flare Flow	NQ Utility Flare Flow (scfm)	Total Flow
	CH4	CO2	O2	Bal.	Press./Vac.	Gas Inlet Temp (°F)	CH4	CO2	O2	Bal.	Press./V ac.	Gas Inlet Temp (°F)	Flow (scfm)	Flow (scfm)	Flow (scfm)	Flow (scfm)	Flow (scfm)	scfm
3/19/2020	28.9	38.9	3.6	28.6	9.96	67.9							0	1,092	0	1092		1092
3/20/2020	25.2	34.8	5.4	34.6	9.81	66.5							0	1,057	0	1057		1057
3/21/2020													0	1,055	0	1055		1055
3/22/2020													0	1,062	0	1062		1062
3/23/2020	26.2	35.3	5	33.5	9.85	52.2							0	1,051	0	1051		1051
3/24/2020	27.1	37.1	4.7	31.1	9.94	53.8							0	1,048	0	1048		1048
3/25/2020	27.3	37.2	4.4	31.1	9.56	58.3							0	1,068	0	1068		1068
3/26/2020	27.3	37.8	4.4	30.5	10.27	63.7							0	1,095	0	1095		1095
3/27/2020	27.8	37.9	4.2	30.1	9.81	71.1							0	1,101	0	1101		1101
3/28/2020													0	1,051	0	1051		1051
3/29/2020													0	1,078	0	1078		1078
3/30/2020	25.5	36.1	5.3	33.1	10.49	61.4							0	1,090	0	1090		1090
3/31/2020	26.7	37.6	4.6	31.1	10.49	65							57	1,033	0	1089		1089
4/1/2020	26.2	36.2	4.7	32.9	10.49	55.4							0	983	0	983		983
4/2/2020	26.3	37.5	4.4	31.8	9.85	63.6							0	947	0	947		947
4/3/2020	27.1	37.5	4.2	31.2	10.61	70.1							0	954	0	954		954
4/4/2020													0	927	0	928		928
4/5/2020													0	923	0	923		923
4/6/2020	26.9	36.5	4.3	32.3	10.44	64.2							0	957	0	957		957
4/7/2020	27.5	38.4	3.8	30.3	10.57	79.4							0	985	0	985		985
4/8/2020	27.1	37.9	4	31	10.44	80.4							0	1,076	0	1076		1076
4/9/2020	25.9	36	4.8	33.3	10.36	64							0	1,071	0	1071		1071
4/10/2020	25.7	34.7	5.1	34.5	9.71	50.4							0	1,078	0	1078		1078
4/11/2020													0	1,085	0	1085		1085
4/12/2020													0	1,064	0	1064		1064
4/13/2020	25	34.7	5.4	34.9	10.02	50.4							0	1,010	0	1010		1010
4/14/2020	25.5	35.8	5.1	33.6	9.81	52.3							0	1,056	0	1057		1057
4/15/2020	26.1	35.8	4.6	33.5	10.57	52.8							0	1,057	0	1057		1057
4/16/2020	25.2	35.5	5.1	34.2	10.32	53.8							0	1,064	0	1064		1064
4/17/2020	27.8	37.4	4.1	30.7	10.3	57.4							0	1,062	0	1062		1062
4/18/2020													0	1,075	0	1075		1075
4/19/2020													0	1,087	0	1087		1087
4/20/2020	26.2	36.4	4.7	32.7	10.02	62.3							0	1,101	0	1102		1102
4/21/2020	25.6	35	4.9	34.5	10.23	66.8							178	901	0	1079		1079
4/22/2020	26.6	37.6	4.1	31.7	10.82	66.2							0	1,087	0	1087		1087
4/23/2020	27.6	38.1	3.9	30.4	10.49	67.2							0	1,069	0	1069		1069
4/24/2020													0	1,084	0	1084		1084
4/25/2020													0	1,052	0	1052		1052
4/26/2020													0	1,068	0	1068		1068
4/27/2020	25.6	36.5	5	32.9	10.57	67.7							0	1,088	0	1088		1088
4/28/2020	26.8	37.6	4.1	31.5	10.32	72.7							0	1,124	0	1124		1124
4/29/2020	26.7	37.9	4.3	31.1	11.08	69.1							0	1,085	0	1085		1085
4/30/2020	26.4	36.4	4.5	32.7	12.73	66.2							152	942	0	1095		1095
5/1/2020	26.7	35.8	4.2	33.3	10.26	67.2							0	1,125	0	1125		1125
5/2/2020													0	1,159	0	1159		1159
5/3/2020													0	1,130	0	1130		1130
5/4/2020	25.6	36.3	4.6	33.5	10.61	70							197	913	0	1110		1110
5/5/2020	26.2	35.8	4.6	33.4	9.98	65.6							129	941	0	1070		1070
5/6/2020	25.6	35.6	4.7	34.1	10.02	61.8							0	1,081	0	1081		1081
5/7/2020	27.4	37	4.3	31.3	9.98	64.5							0	1,108	0	1108		1108

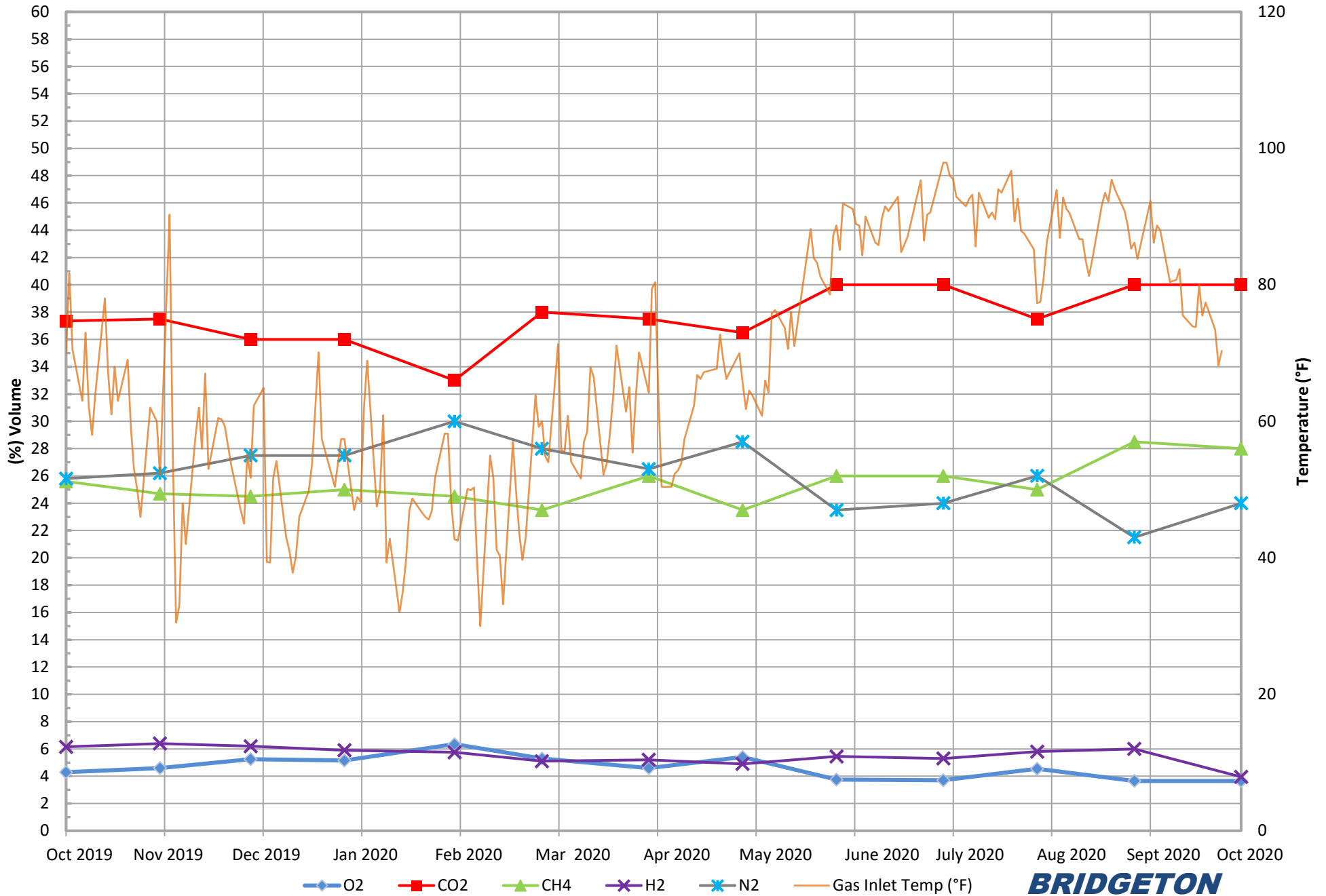
Date	South Quarry						North Quarry						Flare Sta #2 FL-100	Flare Sta #3 FL-120	Flare Sta #1 FL-140	SQ Flare Station Total Utility Flare Flow	NQ Utility Flare Flow (scfm)	Total Flow
	CH4	CO2	O2	Bal.	Press./Vac.	Gas Inlet Temp (°F)	CH4	CO2	O2	Bal.	Press./V ac.	Gas Inlet Temp (°F)	Flow (scfm)	Flow (scfm)	Flow (scfm)	Flow (scfm)	Flow (scfm)	scfm
5/8/2020	26.6	36	4.7	32.7	9.88	63.8						235	860	0	1095		1095	
5/9/2020												0	1,104	0	1104		1104	
5/10/2020												0	1,092	0	1092		1092	
5/11/2020	25.3	35.3	4.8	34.6	9.98	60.8						0	1,089	0	1089		1089	
5/12/2020	25.9	36.2	4.5	33.4	9.73	66						0	1,087	0	1088		1088	
5/13/2020	26.3	37.1	4.3	32.3	10.15	64.2						0	1,080	0	1081		1081	
5/14/2020	29.5	38	3.3	29.2	9.92	75.8						0	1,110	0	1110		1110	
5/15/2020	27.7	36.4	4	31.9	10.13	76.3						0	1,112	0	1113		1113	
5/16/2020												0	1,112	0	1112		1112	
5/17/2020												0	1,102	0	1102		1102	
5/18/2020	27.1	36.4	4.1	32.4	10.49	73.7						0	1,082	0	1082		1082	
5/19/2020	27	36.2	4.1	32.7	10.15	70.6						0	1,066	0	1066		1066	
5/20/2020	27.4	37.8	3.9	30.9	9.77	76						0	1,065	0	1065		1065	
5/21/2020	27.1	37.1	4.1	31.7	9.68	71						0	1,071	0	1071		1071	
5/22/2020												0	951	17	968		968	
5/23/2020												0	1,196	0	1196		1196	
5/24/2020												0	1,224	0	1224		1224	
5/25/2020												0	1,219	0	1219		1219	
5/26/2020	25.7	35.9	5.3	33.1	9.98	88.2						0	1,158	0	1158		1158	
5/27/2020	28.2	38.2	3.9	29.7	11.08	83.9						706	380	0	1086		1086	
5/28/2020	26.8	37.3	4.2	31.7	10.44	83.2						1,129	0	0	1129		1129	
5/29/2020	27.6	36.9	4	31.5	7.01	81.2						1,113	0	0	1113		1113	
5/30/2020												1,105	0	0	1105		1105	
5/31/2020												1,116	0	0	1116		1116	
6/1/2020	27.1	37.5	3.8	31.6	12.05	78.6						1,126	0	0	1126		1126	
6/2/2020	27.7	38.7	3.4	30.2	9.22	87.2						1,144	0	0	1144		1144	
6/3/2020	28	37.9	3.3	30.8	8.46	88.7						1,149	0	0	1149		1149	
6/4/2020	28.1	38.5	3.4	30	10.19	85.1						782	326	0	1108		1108	
6/5/2020	28.5	38.3	3.2	30	14.27	91.9						1,133	0	0	1133		1133	
6/6/2020												1,152	0	0	1152		1152	
6/7/2020												1,155	0	0	1155		1155	
6/8/2020	29	39.2	3.3	28.5	4.64	91.1						1,147	0	0	1147		1147	
6/9/2020	29.1	39.8	2.9	28.2	11.12	88.9						1,131	0	0	1131		1131	
6/10/2020	27.5	38.7	3.7	30.1	10.49	88.7						1,099	0	0	1099		1099	
6/11/2020	25.3	34.8	5	34.9	10.82	84.3						1,118	0	0	1118		1118	
6/12/2020	28.2	37.1	3.1	31.6	11.1	90						1,152	0	0	1152		1152	
6/13/2020												1,153	0	0	1153		1153	
6/14/2020												1,136	0	0	1136		1136	
6/15/2020	27.5	38.1	3.4	31	10.82	86.2						1,138	0	0	1138		1138	
6/16/2020	27.3	38.5	3.4	30.8	11.04	85.8						1,139	0	0	1139		1139	
6/17/2020	27.4	37.4	3.3	31.9	10.44	89.7						1,155	0	0	1155		1155	
6/18/2020	28	38.8	3	30.2	10.44	91.5						978	151	0	1129		1129	
6/19/2020	27.9	38.2	3	30.9	10.13	90.8						1,080	68	0	1147		1147	
6/20/2020												1,126	0	0	1126		1126	
6/21/2020												1,125	0	0	1125		1125	
6/22/2020	28.5	38.5	2.8	30.2	10.82	92.9						987	138	0	1126		1126	
6/23/2020	27.5	38.2	3.3	31	11.12	84.8						1,106	0	0	1106		1106	
6/24/2020	27.6	38.2	3.4	30.8	10.78	85.9						1,118	0	0	1118		1118	
6/25/2020	27.2	38.9	3.3	30.6	10.32	87.1						1,145	0	0	1145		1145	
6/26/2020												1,149	0	0	1149		1149	



Date	South Quarry						North Quarry						Flare Sta #2 FL-100	Flare Sta #3 FL-120	Flare Sta #1 FL-140	SQ Flare Station Total Utility Flare Flow	NQ Utility Flare Flow (scfm)	Total Flow
	CH4	CO2	O2	Bal.	Press./Vac.	Gas Inlet Temp (°F)	CH4	CO2	O2	Bal.	Press./V ac.	Gas Inlet Temp (°F)	Flow (scfm)	Flow (scfm)	Flow (scfm)	Flow (scfm)	Flow (scfm)	scfm
6/27/2020												1,123	0	0	1123		1123	
6/28/2020												1,134	0	0	1134		1134	
6/29/2020	28.8	37.5	3.5	30.2	10.15	95.3						1,036	91	0	1127		1127	
6/30/2020	26.8	37.7	4	31.5	10.82	86.5						707	376	0	1082		1082	
7/1/2020	27.2	38.1	3.1	31.6	10.8	90.3						1,090	0	0	1090		1090	
7/2/2020	28.4	38	3.1	30.5	10.8	90.6						1,129	0	0	1129		1129	
7/3/2020												1,136	0	0	1136		1136	
7/4/2020												1,147	0	0	1147		1147	
7/5/2020												1,135	0	0	1135		1135	
7/6/2020	27.6	38.8	3.3	30.3	10.91	97.9						1,141	0	0	1141		1141	
7/7/2020	27.9	38.5	3.1	30.5	10.7	97.9						1,045	0	0	1045		1045	
7/8/2020	28	38.8	3	30.2	10.23	96						171	0	974	1146		1146	
7/9/2020	27.7	37.7	3.2	31.4	11.16	95.5						148	0	995	1143		1143	
7/10/2020	27.6	38.6	3.3	30.5	10.19	92.9						96	0	1,037	1133		1133	
7/11/2020												283	0	863	1146		1146	
7/12/2020												251	0	877	1127		1127	
7/13/2020	27.6	38.9	3.4	30.1	10.19	91.5						48	0	1,085	1133		1133	
7/14/2020	27.7	38.8	3.1	30.4	10.49	92.6						52	0	1,086	1138		1138	
7/15/2020	27.1	38.1	3.6	31.2	9.81	93.2						1	0	1,010	1011		1011	
7/16/2020	25.8	36.3	4.6	33.3	9.77	85.6						156	0	945	1101		1101	
7/17/2020	26	35.2	4.3	34.5	10.8	93.5						42	0	1,081	1123		1123	
7/18/2020												133	0	993	1126		1126	
7/19/2020												842	0	31	873		873	
7/20/2020	28.7	38.7	3	29.6	10.32	89.8						243	0	888	1131		1131	
7/21/2020	27.4	38.4	3.9	30.3	10.15	90.6						202	0	873	1075		1075	
7/22/2020	27.4	37.7	3.8	31.1	10.74	89.6						1,182	0	0	1182		1182	
7/23/2020	27.6	37.7	3.8	30.9	10.06	94						1,188	0	0	1188		1188	
7/24/2020	27.4	37.2	3.8	31.6	10.27	93.5						145	0	1,048	1192		1192	
7/25/2020												110	0	1,090	1200		1200	
7/26/2020												255	0	944	1199		1199	
7/27/2020	28.1	37.1	3.6	31.2	11.16	96.7						108	0	1,041	1149		1149	
7/28/2020	27.6	37.5	3.7	31.2	10.4	89.3						1,160	0	0	1160		1160	
7/29/2020	28.2	38.6	3.6	29.6	10.47	92.6						58	0	1,110	1167		1167	
7/30/2020	29.2	40.5	3	27.3	10.09	87.9						81	0	1,044	1124		1124	
7/31/2020	28.2	38.7	3.5	29.6	10.13	87.5						1	0	1,068	1068		1068	
8/1/2020												34	0	1,044	1079		1079	
8/2/2020												28	0	1,078	1106		1106	
8/3/2020	28	38.8	3.5	29.7	10.68	85.2						60	0	1,035	1095		1095	
8/4/2020	28	36.7	3.8	31.5	9.96	77.3						8	0	1,088	1096		1096	
8/5/2020	27.3	35.5	4.1	33.1	10.25	77.5						53	0	1,059	1112		1112	
8/6/2020	28	36.6	4.1	31.3	10.3	81						55	0	1,071	1125		1125	
8/7/2020	27.7	36.7	4.2	31.4	10.64	86.3						58	0	1,053	1111		1111	
8/8/2020												62	0	1,024	1086		1086	
8/9/2020												860	0	0	860		860	
8/10/2020	29.8	39.8	3.3	27.1	10.89	93.9						1,076	0	0	1076		1076	
8/11/2020	29	39	3.6	28.4	10.47	86.9						1,069	0	0	1069		1069	
8/12/2020	29.3	39.5	3.5	27.7	10.13	92.8						1,064	0	0	1065		1065	
8/13/2020	29.6	37.9	3.4	29.1	10.47	91.1						1,059	0	0	1059		1059	
8/14/2020	30.1	39.6	3.2	27.1	9.75	90.5						669	409	0	1078		1078	
8/15/2020												1,068	0	0	1068		1068	

Date	South Quarry						North Quarry						Flare Sta #2 FL-100	Flare Sta #3 FL-120	Flare Sta #1 FL-140	SQ Flare Station Total Utility Flare Flow	NQ Utility Flare Flow (scfm)	Total Flow
	CH4	CO2	O2	Bal.	Press./Vac.	Gas Inlet Temp (°F)	CH4	CO2	O2	Bal.	Press./V ac.	Gas Inlet Temp (°F)	Flow (scfm)	Flow (scfm)	Flow (scfm)	Flow (scfm)	Flow (scfm)	scfm
8/16/2020												1,067	0	0	1067		1067	
8/17/2020	29.7	37.1	3.3	29.9	10.25	86.7						1,087	0	0	1087		1087	
8/18/2020	29.4	39.3	3.8	27.5	13.85	86.7						1,075	0	0	1075		1075	
8/19/2020	29.1	37.8	3.9	29.2	10.6	83.5						680	400	0	1080		1080	
8/20/2020	29	37.3	3.8	29.9	10	81.3						0	1,089	0	1089		1089	
8/21/2020	30.4	39.5	3.7	26.4	10.13	83.7						0	1,098	0	1098		1098	
8/22/2020												0	1,090	0	1090		1090	
8/23/2020												0	1,086	0	1086		1086	
8/24/2020	29.1	37.6	3.5	29.8	10.13	91.7						0	1,095	0	1095		1095	
8/25/2020	29.8	38.5	3.4	28.3	10.76	93.5						108	968	0	1077		1077	
8/26/2020	29.9	39	3.3	27.8	11.86	92.2						4	1,101	0	1105		1105	
8/27/2020	26.2	34.6	5.7	33.5	10.81	95.4						1	1,127	0	1128		1128	
8/28/2020	27.2	34.5	5.5	32.8	10.22	94						0	1,168	0	1168		1168	
8/29/2020												0	1,136	0	1136		1136	
8/30/2020												0	1,145	0	1145		1145	
8/31/2020	26	34.4	5.9	33.7	10.34	90.8						0	1,128	0	1128		1128	
9/1/2020	25.7	33.3	5.9	35.1	10.3	88.6						0	1,104	0	1104		1104	
9/2/2020	25.9	34.6	5.9	33.6	10.22	85.3						0	1,062	0	1062		1062	
9/3/2020	30	40.1	3.2	26.7	10.34	86.2						768	254	0	1021		1021	
9/4/2020	28.4	38.2	4	29.4	10.51	83.8						1,017	0	0	1017		1017	
9/5/2020												1,038	0	0	1038		1038	
9/6/2020												1,036	0	0	1036		1036	
9/7/2020												1,036	0	0	1036		1036	
9/8/2020	29.1	39.4	3.4	28.1	10.49	92.3						1,025	0	0	1025		1025	
9/9/2020	29	38.6	3.7	28.7	9.67	86.2						1,014	0	0	1014		1014	
9/10/2020	28.5	39.3	3.5	28.7	10.23	88.7						1,027	0	0	1027		1027	
9/11/2020	29.6	41.2	3.4	25.8	10.23	88						1,068	0	0	1068		1068	
9/12/2020												1,047	0	0	1047		1047	
9/13/2020												1,040	0	0	1040		1040	
9/14/2020	31.9	39.9	3.5	24.7	10.78	80.4						1,054	0	0	1054		1054	
9/15/2020	28.6	40.9	3.6	26.9	10.4	80.6						1,053	0	0	1053		1053	
9/16/2020	29.3	41.2	3.4	26.1	10.49	80.7						1,052	0	0	1052		1052	
9/17/2020	30.3	39.4	3.1	27.2	10.47	82.3						1,066	0	0	1066		1066	
9/18/2020	28.2	36.5	4.3	31	10.47	75.5						1,072	0	0	1072		1072	
9/19/2020												1,078	0	0	1078		1078	
9/20/2020												1,073	0	0	1073		1073	
9/21/2020	27.1	36.9	4.4	31.6	10.27	73.9						1,084	0	0	1084		1084	
9/22/2020	27.8	38.8	4	29.4	11.12	73.8						1,081	0	0	1081		1081	
9/23/2020	28.4	40.3	3.8	27.5	10.7	80						1,061	0	0	1061		1061	
9/24/2020	28.9	40.2	3.7	27.2	10.49	75.5						1,058	14	0	1073		1073	
9/25/2020	29.6	38.8	3.5	28.1	10.19	77.4						1,086	0	0	1086		1086	
9/26/2020												1,099	0	0	1099		1099	
9/27/2020												1,077	0	0	1077		1077	
9/28/2020	28.7	38.1	4	29.2	10.49	73.4						1,073	0	0	1073		1073	
9/29/2020	26.8	37.9	4.6	30.7	10.82	68.2						1,021	32	0	1053		1053	
9/30/2020	29.1	38.8	3.6	28.5	10.74	70.3						1,074	0	0	1074		1074	

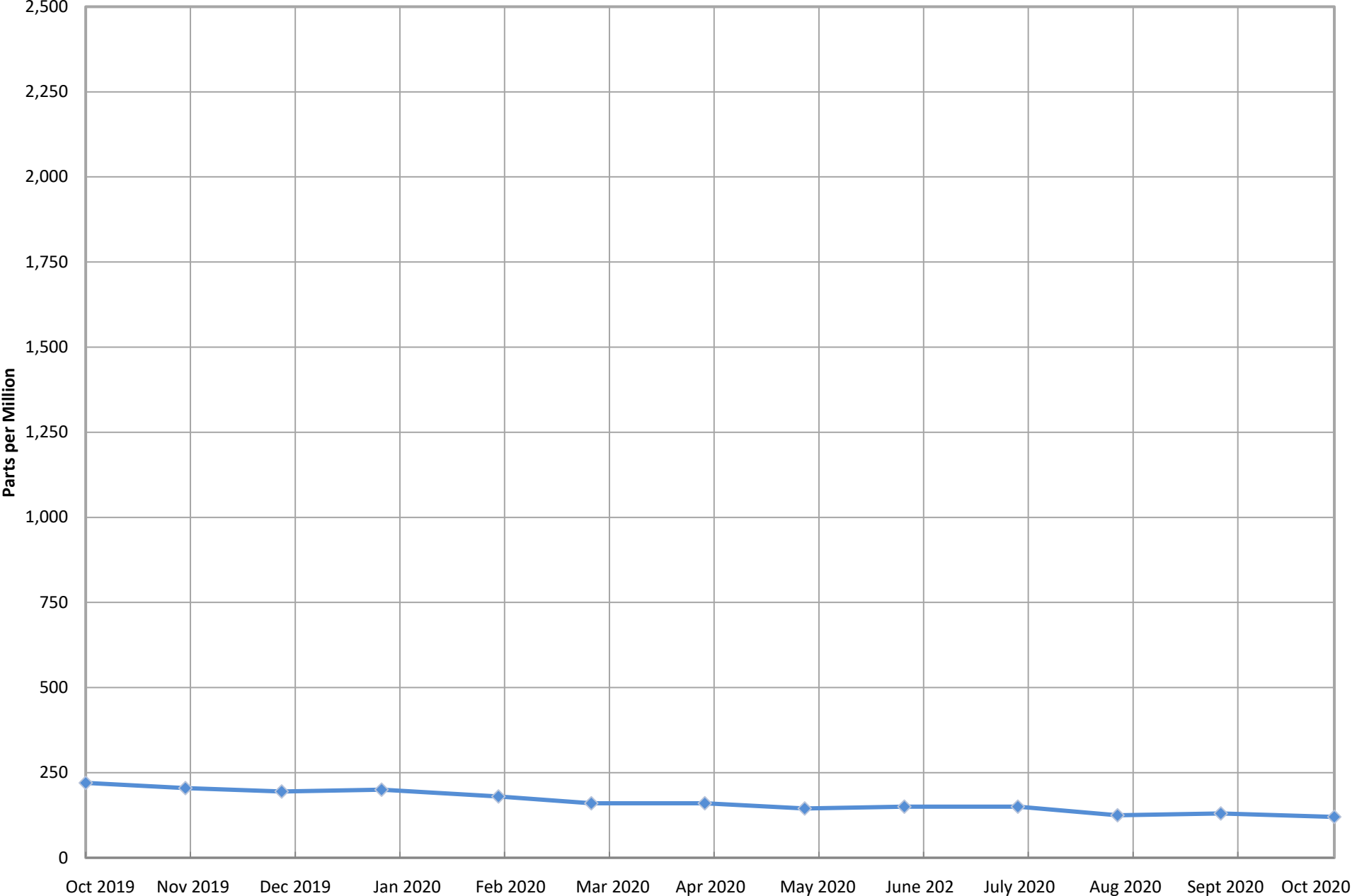
# Combined Inlet Gas and Temperature\*



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\*Gas data collected from Laboratory Reports. Temperature data collected from field readings.

# Combined Inlet Carbon Monoxide\*

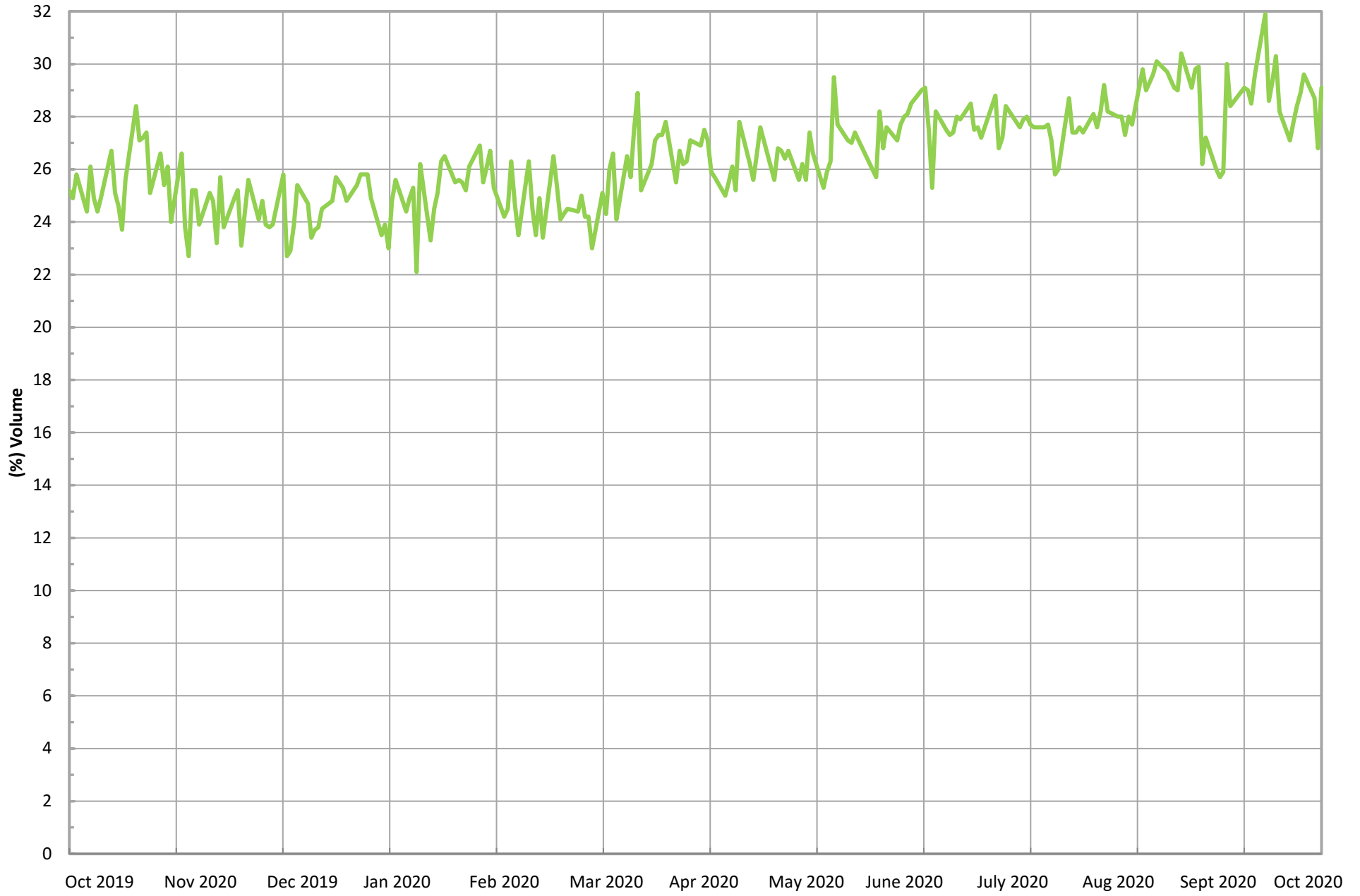


—◆— Inlet Carbon Monoxide\*

\*Data collected from Laboratory Reports.

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# Combined Inlet Methane (Field Data)\*

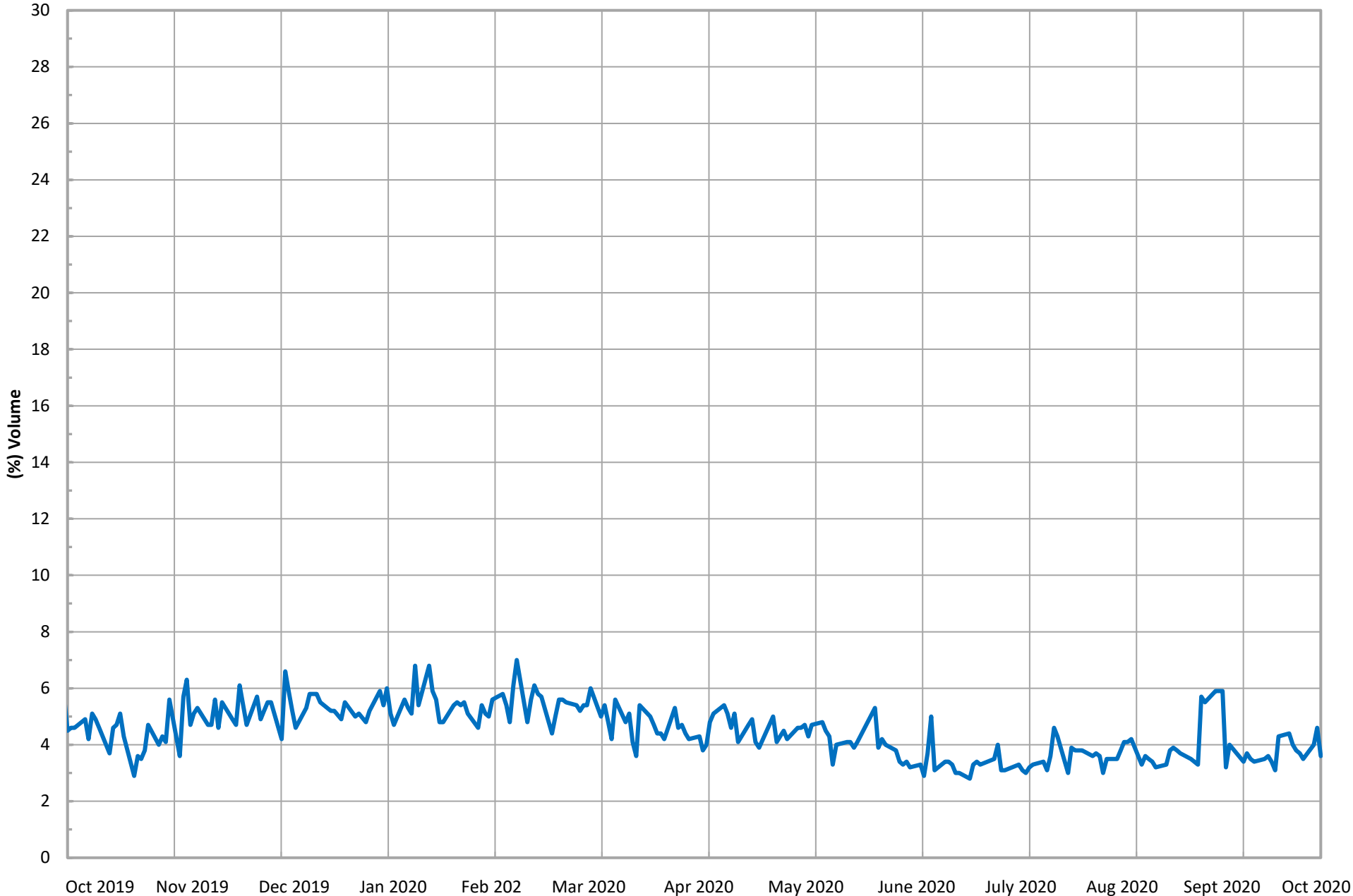


\*Gas data collected from field monitoring data.

— Combined Inlet Methane (Field Data)\*

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# Combined Inlet Oxygen (Field Data)\*

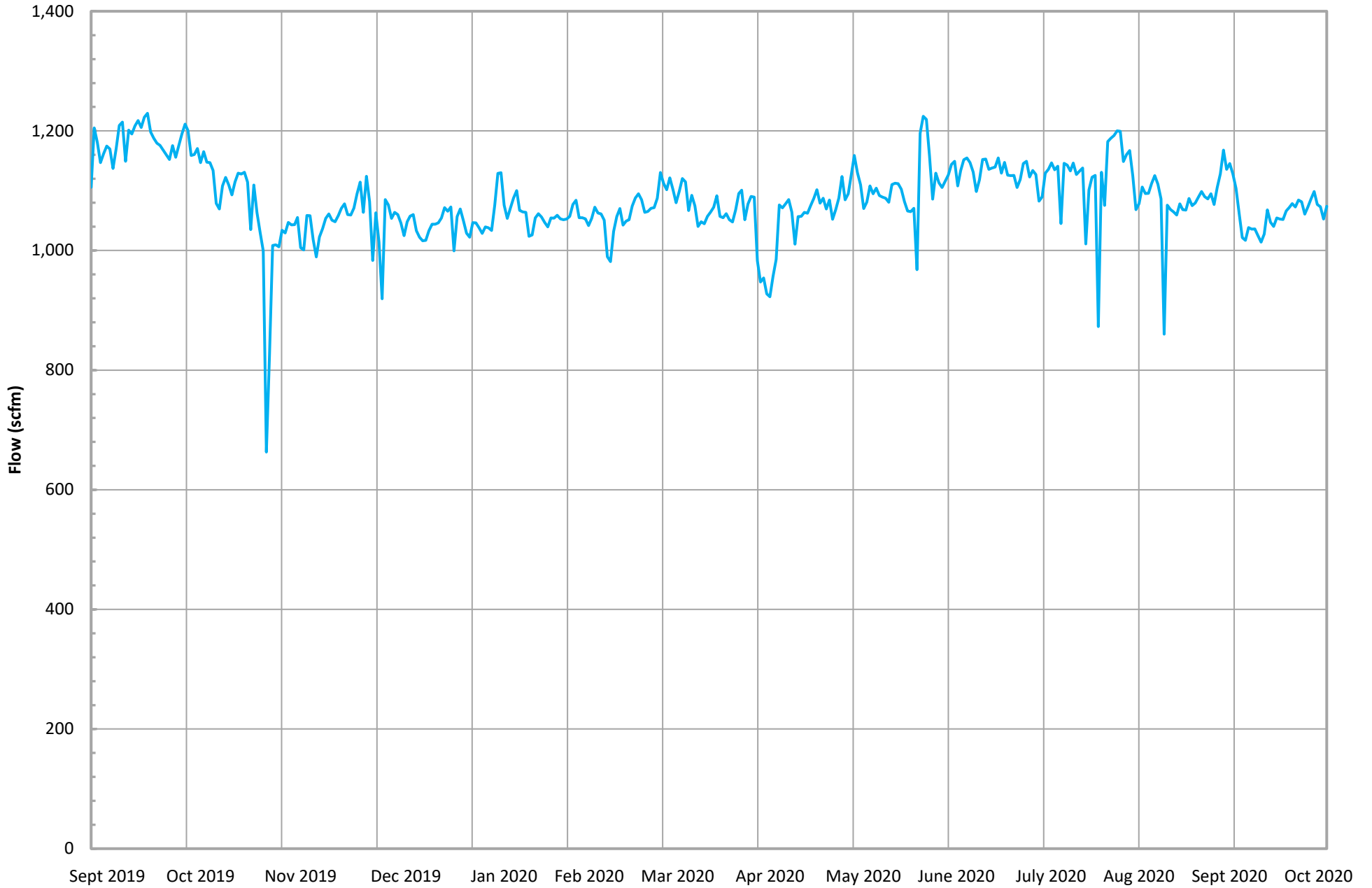


\*Gas data collected from field monitoring data

— Combined Inlet Oxygen (Field Data)\*

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# Total Combined Flow (scfm)\*



\*Combined flow is based on tabulated flow data collected daily from FL-100, FL-120, FL-140, and the Auxillary Candlestick Flare. On 10/8/19, the Auxillary Candelstick Flare was redirected to the Main Flare.

— Total Combined Flow (scfm)\*

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