

Daily Flare Monitoring Data - Bridgeton Landfill
February 2021

Date	Average Device Flow* (scfm)			Total Avg. Flow** (scfm)
	Utility Flare (FL-100)	Utility Flare (FL-120)	Utility Flare (FL-140)	
2/1/2021	1,019	2	1	1,021
2/2/2021	1,031	1	1	1,033
2/3/2021	1,060	1	1	1,062
2/4/2021	1,023	2	1	1,026
2/5/2021	1,009	2	1	1,011
2/6/2021	995	2	1	998
2/7/2021	970	3	1	974
2/8/2021	977	3	1	981
2/9/2021	960	3	1	963
2/10/2021	924	3	1	928
2/11/2021	916	3	1	919
2/12/2021	954	2	1	958
2/13/2021	945	3	1	949
2/14/2021	892	3	1	897
2/15/2021	792	4	1	797
2/16/2021	307	66	1	374
2/17/2021	515	409	1	925
2/18/2021	955	2	1	957
2/19/2021	1,000	2	1	1,002
2/20/2021	1,030	1	1	1,032
2/21/2021	1,036	1	1	1,038
2/22/2021	1,016	1	0	1,017
2/23/2021	1,077	1	0	1,078
2/24/2021	1,067	0	0	1,068
2/25/2021	1,103	1	0	1,105
2/26/2021	1,095	1	0	1,097
2/27/2021	1,096	0	0	1,097
2/28/2021	1,088	0	0	1,089
AVERAGE	959	19	1	979
<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
11/5/2020	25.5	36.5	5.4	28.0	3.9	110	Gas concentrations based on average of Blower Outlet A and Blower Outlet B
12/4/2020	27.5	37.0	4.7	25.5	5.3	99.5	Gas concentrations based on average of Blower Outlet A and Blower Outlet B
1/6/2021	26.5	34.5	5.7	28.5	4.6	82.0	Gas concentrations based on average of Blower Outlet A and Blower Outlet B
2/3/2021	27.0	35.0	5.1	27.5	4.8	87.5	Gas concentrations based on average of Blower Outlet A and Blower Outlet B
3/9/2021	27.0	35.0	4.9	28.0	4.9	110	Gas concentrations based on average of Blower Outlet A and Blower Outlet 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
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	
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	

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
3/22/2020												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	
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	

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
5/11/2020	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	
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	

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
6/30/2020	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	
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	

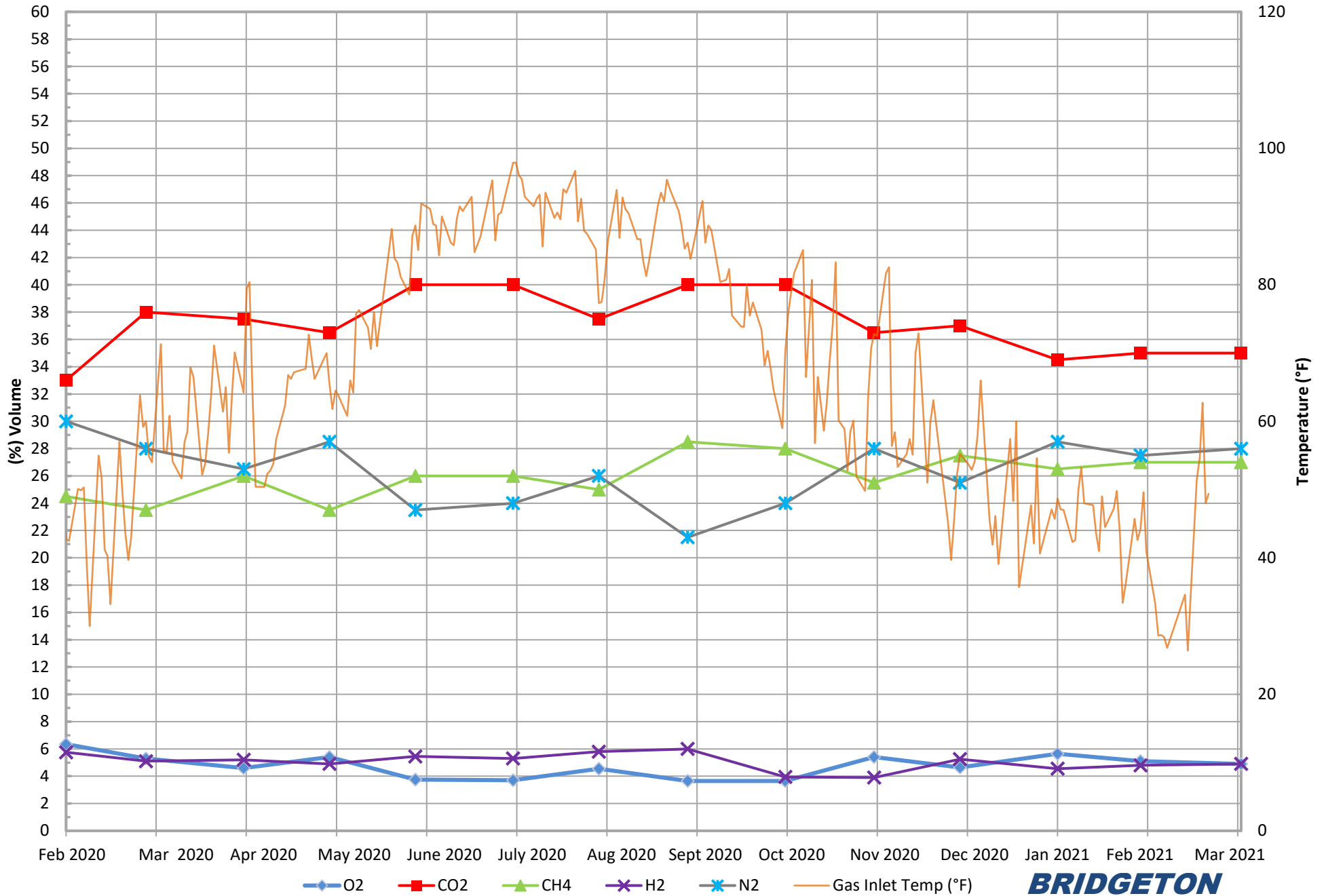
Date	South Quarry						North Quarry						Flare Sta #2 FL-100	Flare Sta #3 FL-120	Flare Sta #1 FL-140	SQ Flare Station Total Utility Flare Flow	NQ Utility Flare Flow (scfm)	Total Flow
	CH4	CO2	O2	Bal.	Press./Vac.	Gas Inlet Temp (°F)	CH4	CO2	O2	Bal.	Press./V ac.	Gas Inlet Temp (°F)	Flow (scfm)	Flow (scfm)	Flow (scfm)	Flow (scfm)	Flow (scfm)	scfm
8/19/2020	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
10/1/2020	27.7	37.1	4.4	30.8	11.68	67.9							1,062	0	0	1062		1062
10/2/2020	27.6	37.1	4.3	31	10.5	64.7							1,063	0	0	1063		1063
10/3/2020													1,048	0	0	1048		1048
10/4/2020													1,042	0	0	1042		1042
10/5/2020	28.1	37.8	4.4	29.7	11.26	59							1,069	0	0	1069		1069
10/6/2020	28.7	38.9	3.6	28.8	11.13	70							1,080	0	0	1080		1080
10/7/2020	28.5	38.1	3.8	29.6	11.01	75.9							1,088	0	0	1089		1089

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
10/8/2020	28.7	37.9	3.8	29.6	11.64	79.1						1,100	0	0	1100		1100	
10/9/2020	29.2	38.3	3.9	28.6	11.26	81.7						1,093	0	0	1093		1093	
10/10/2020												1,083	0	0	1083		1083	
10/11/2020												1,095	0	0	1095		1095	
10/12/2020	30.2	38.3	3.6	27.9	10.81	85.1						1,066	0	0	1066		1066	
10/13/2020	26.7	36.3	4.8	32.2	11.43	66.5						1,102	0	0	1102		1102	
10/14/2020	28.3	35	4.4	32.3	10.81	73.9						1,130	0	0	1130		1130	
10/15/2020	28.9	36.9	4.4	29.8	10.81	80.7						1,081	0	0	1082		1082	
10/16/2020	26.6	34.6	5.8	33	10.76	56.8						1,097	0	0	1097		1097	
10/17/2020	27.7	36.9	4.7	30.7	10.68	66.5						1,078	0	0	1078		1078	
10/18/2020												1,049	0	0	1049		1049	
10/19/2020	28.1	33.7	4.4	33.8	10.55	58.6						1,019	1	0	1020		1020	
10/20/2020	28.3	35.9	4.2	31.6	10.13	62.6						1,048	0	0	1049		1049	
10/21/2020	28.5	36.9	4.1	30.5	10.81	68.9						1,033	0	0	1033		1033	
10/22/2020	29.4	38.4	3.8	28.4	10.13	74.3						1,093	0	0	1093		1093	
10/23/2020	29.9	38.2	3.6	28.3	10.51	83.3						1,049	0	0	1050		1050	
10/24/2020	26.5	34.2	5.5	33.8	11.14	60.1						1,055	0	0	1056		1056	
10/25/2020												1,039	0	0	1039		1039	
10/26/2020	26.9	34.4	4.9	33.8	11.35	58.9						1,022	0	0	1023		1023	
10/27/2020	27.4	35	4.8	32.8	10.46	52.8						1,018	0	0	1019		1019	
10/28/2020	29.6	36.2	4.2	30	10.81	58.5						1,025	0	0	1025		1025	
10/29/2020	29.7	37.2	3.9	29.2	10.47	60.1						1,005	0	0	1005		1005	
10/30/2020	26.1	34.5	5.3	34.1	11.43	51.9						1,029	0	0	1029		1029	
10/31/2020												1,044	0	0	1044		1044	
11/1/2020												1,031	0	0	1031		1031	
11/2/2020	27.4	36.3	4.6	31.7	10.29	49.8						1,052	0	0	1052		1052	
11/3/2020	29	37.3	3.7	30	10.46	63.6						904	150	0	1055		1055	
11/4/2020	28.1	38.3	3.9	29.7	11.01	70.8						1,077	1	0	1077		1077	
11/5/2020	27.2	37.2	4.8	30.8	11.1	72.8						1,078	0	0	1079		1079	
11/6/2020	28.4	38.9	3.7	29	11.43	72.5						1,057	1	0	1059		1059	
11/7/2020												1,059	1	0	1060		1060	
11/8/2020												1,051	0	0	1051		1051	
11/9/2020	30.3	38.3	3.5	27.9	10.92	81.7						1,062	0	0	1062		1062	
11/10/2020	30.5	38.8	3.4	27.3	10.8	82.6						1,056	0	0	1056		1056	
11/11/2020	26.7	37.1	4.8	31.4	10.97	56.4						1,035	1	0	1036		1036	
11/12/2020	28.4	36.2	4.1	31.3	11.39	58.4						1,040	1	0	1041		1041	
11/13/2020	26.7	33.8	5.6	33.9	11.05	53.3						1,033	1	0	1035		1035	
11/14/2020												1,036	1	0	1037		1037	
11/15/2020												985	1	0	987		987	
11/16/2020	27.4	36.8	4.2	31.6	10.8	55.2						1,030	1	0	1031		1031	
11/17/2020	26.3	34	5.3	34.4	11.35	57.4						1,028	1	0	1030		1030	
11/18/2020	26.8	36.5	4.7	32	11.09	55.1						1,047	1	0	1048		1048	
11/19/2020	29.1	38.6	3.5	28.8	10.54	70						1,044	0	0	1045		1045	
11/20/2020	27.7	36.1	4.6	31.6	11.18	72.9						1,031	1	0	1032		1032	
11/21/2020												1,020	2	0	1022		1022	
11/22/2020												1,016	2	0	1018		1018	
11/23/2020	26.7	33.2	4.8	35.3	10.7	51						1,014	2	1	1017		1017	
11/24/2020	29.7	36.7	4	29.6	10.44	59.7						1,023	11	0	1035		1035	
11/25/2020	29.8	37.6	3.7	28.9	10.8	63.1						984	37	0	1022		1022	
11/26/2020												1,021	1	0	1022		1022	

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
11/27/2020													1,016	1	1	1018		1018
11/28/2020													1,033	1	0	1034		1034
11/29/2020													1,021	1	1	1023		1023
11/30/2020	27	33.8	5.3	33.9	10.82	45.1							1,013	2	1	1016		1016
12/1/2020	26.3	34.3	5.6	33.8	10.8	39.7							747	272	1	1020		1020
12/2/2020	27.2	32.7	5.3	34.8	10.8	45.2							1,020	1	1	1022		1022
12/3/2020	27.8	32.6	4.9	34.7	11.16	52.2							1,020	2	1	1022		1022
12/4/2020	28.3	35.5	4.8	31.4	10.49	55.2							1,008	1	0	1009		1009
12/5/2020													1,006	1	0	1007		1007
12/6/2020													998	1	1	999		999
12/7/2020	28.3	34.5	5	32.2	10.06	53.6							982	1	1	984		984
12/8/2020	28.2	35.7	4.9	31.2	10.42	52.9							980	2	0	982		982
12/9/2020	28.6	36.1	4.6	30.7	10.46	54.2							990	1	0	991		991
12/10/2020	29.2	37.2	4.2	29.4	9.79	58							1,000	1	0	1000		1000
12/11/2020	29.4	35.7	3.9	31	11.47	66							994	0	0	995		995
12/12/2020													968	1	0	970		970
12/13/2020													962	2	1	964		964
12/14/2020	27.3	34.3	5.2	33.2	10.12	45.5							955	2	1	957		957
12/15/2020	26.8	33.4	5.8	34	10.92	41.9							996	2	1	999		999
12/16/2020	27.9	33	5.5	33.6	10.8	46.1							993	2	1	996		996
12/17/2020	27.2	36.2	5.1	31.5	11.81	39.1							928	37	1	966		966
12/18/2020	28.2	35	5.1	31.7	11.09	43.3							966	2	1	968		968
12/19/2020													983	1	0	985		985
12/20/2020													975	1	1	977		977
12/21/2020	28.9	35.6	4.6	30.9	6.03	57.4							979	1	0	980		980
12/22/2020	26.6	34.3	5.3	33.8	3.8	48.3							989	1	0	991		991
12/23/2020	30.5	37.8	3.8	27.9	2.42	60							996	1	0	997		997
12/24/2020	25.4	32.8	5.7	36.1	1.83	35.7							946	3	1	950		950
12/25/2020													921	3	1	925		925
12/26/2020													952	1	1	954		954
12/27/2020													962	1	0	963		963
12/28/2020	26.9	31.7	6.1	35.3	11.26	47.7							945	2	1	947		947
12/29/2020	27.2	33.7	5.5	33.6	10.46	42.1							970	3	1	973		973
12/30/2020	29.2	36.8	4.5	29.5	10.46	54.6							952	2	1	955		955
12/31/2020	27.3	35.1	5.4	32.2	10.13	40.6							958	2	1	960		960
1/1/2021													960	2	1	963		963
1/2/2021													960	2	1	962		962
1/3/2021													958	2	1	961		961
1/4/2021	28.2	34.3	5.2	32.3	10.46	47.1							960	2	1	963		963
1/5/2021	27.6	34.7	5.6	32.1	10.12	45.7							959	1	1	961		961
1/6/2021	28	34.7	4.9	32.4	10.46	48.7							955	2	1	957		957
1/7/2021	28.2	32.8	5.2	33.8	10.61	47.1							978	2	1	981		981
1/8/2021	27.5	34.9	5.1	32.5	10.57	47							994	2	1	996		996
1/9/2021													985	2	1	987		987
1/10/2021													979	2	1	982		982
1/11/2021	29.2	35.1	5.3	30.4	10.13	42.3							989	2	1	991		991
1/12/2021	29.2	36.2	4.9	29.7	10.82	42.6							1,002	1	1	1004		1004
1/13/2021	29.5	35.8	4.6	30.1	10.53	49.9							1,024	1	0	1026		1026
1/14/2021	29.9	37.2	4.1	28.8	10.49	53.2							1,029	1	0	1031		1031
1/15/2021	29.5	36.7	4.9	28.9	10.64	48							1,017	2	1	1019		1019

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
1/16/2021												1,025	2	1	1028		1028	
1/17/2021												1,030	2	1	1032		1032	
1/18/2021	27.4	34.8	5.1	32.7	10.61	47.7						1,011	1	1	1013		1013	
1/19/2021	26.2	34.1	5.7	34	10.36	43.5						1,000	1	1	1002		1002	
1/20/2021	26.5	34.4	5.6	33.5	10.02	41						1,032	1	0	1033		1033	
1/21/2021	27.3	35.1	5.1	32.5	10.95	49						1,031	1	0	1033		1033	
1/22/2021	26.5	33.4	5.7	34.4	10.78	44.5						1,017	2	1	1019		1019	
1/23/2021												1,018	2	1	1020		1020	
1/24/2021												1,015	1	1	1017		1017	
1/25/2021	28.3	35.4	4.6	31.7	10.53	47.2						999	2	1	1002		1002	
1/26/2021	27.7	33.4	5.4	33.5	10.4	49.8						969	2	1	972		972	
1/27/2021	27.1	34.2	5.3	33.4	10.15	43.7						967	2	1	970		970	
1/28/2021	26.2	32.1	6	35.7	10.15	33.4						1,023	2	1	1025		1025	
1/29/2021	26.8	32	5.2	36	11.08	36.2						1,054	2	1	1056		1056	
1/30/2021												1,049	2	1	1051		1051	
1/31/2021												1,010	2	1	1012		1012	
2/1/2021	25.5	31.9	5.5	37.1	10.49	45.7						1,019	2	1	1021		1021	
2/2/2021	26	33.6	5.3	35.1	11.05	42.6						1,031	1	1	1033		1033	
2/3/2021	27.3	35.9	5.4	31.4	10.12	44.2						1,060	1	1	1062		1062	
2/4/2021	29.3	36.8	4	29.9	10.46	49.6						1,023	2	1	1026		1026	
2/5/2021	27	34.4	4.9	33.7	10.75	40.9						1,009	2	1	1011		1011	
2/6/2021												995	2	1	998		998	
2/7/2021												970	3	1	974		974	
2/8/2021	26.7	32.9	5.2	35.2	9.49	33.3						977	3	1	981		981	
2/9/2021	26	33.4	5.8	34.8	8.44	28.6						960	3	1	963		963	
2/10/2021	26.9	33.3	5.1	34.7	7.76	28.7						924	3	1	928		928	
2/11/2021	26.7	33.3	5.3	34.7	9.62	28.4						916	3	1	919		919	
2/12/2021	26.4	31.4	5.8	36.4	10.29	26.8						954	2	1	958		958	
2/13/2021												945	3	1	949		949	
2/14/2021												892	3	1	897		897	
2/15/2021												792	4	1	797		797	
2/16/2021												307	66	1	374		374	
2/17/2021												515	409	1	925		925	
2/18/2021	26.8	32	5.5	35.7	12.7	34.6						955	2	1	957		957	
2/19/2021	25.5	32.5	5.6	36.4	11.46	26.4						1,000	2	1	1002		1002	
2/20/2021												1,030	1	1	1032		1032	
2/21/2021												1,036	1	1	1038		1038	
2/22/2021	26	34.2	5.7	34.1	5.57	51.4						1,016	1	0	1017		1017	
2/23/2021	24.9	33.1	6	36	8.44	54.7						1,077	1	0	1078		1078	
2/24/2021	26.5	33.8	5.5	34.2	8.6	62.7						1,067	0	0	1068		1068	
2/25/2021	25.6	34.1	5.6	34.7	7.09	48						1,103	1	0	1105		1105	
2/26/2021	26	33.3	5.1	35.6	9.15	49.4						1,095	1	0	1097		1097	
2/27/2021												1,096	0	0	1097		1097	
2/28/2021												1,088	0	0	1089		1089	

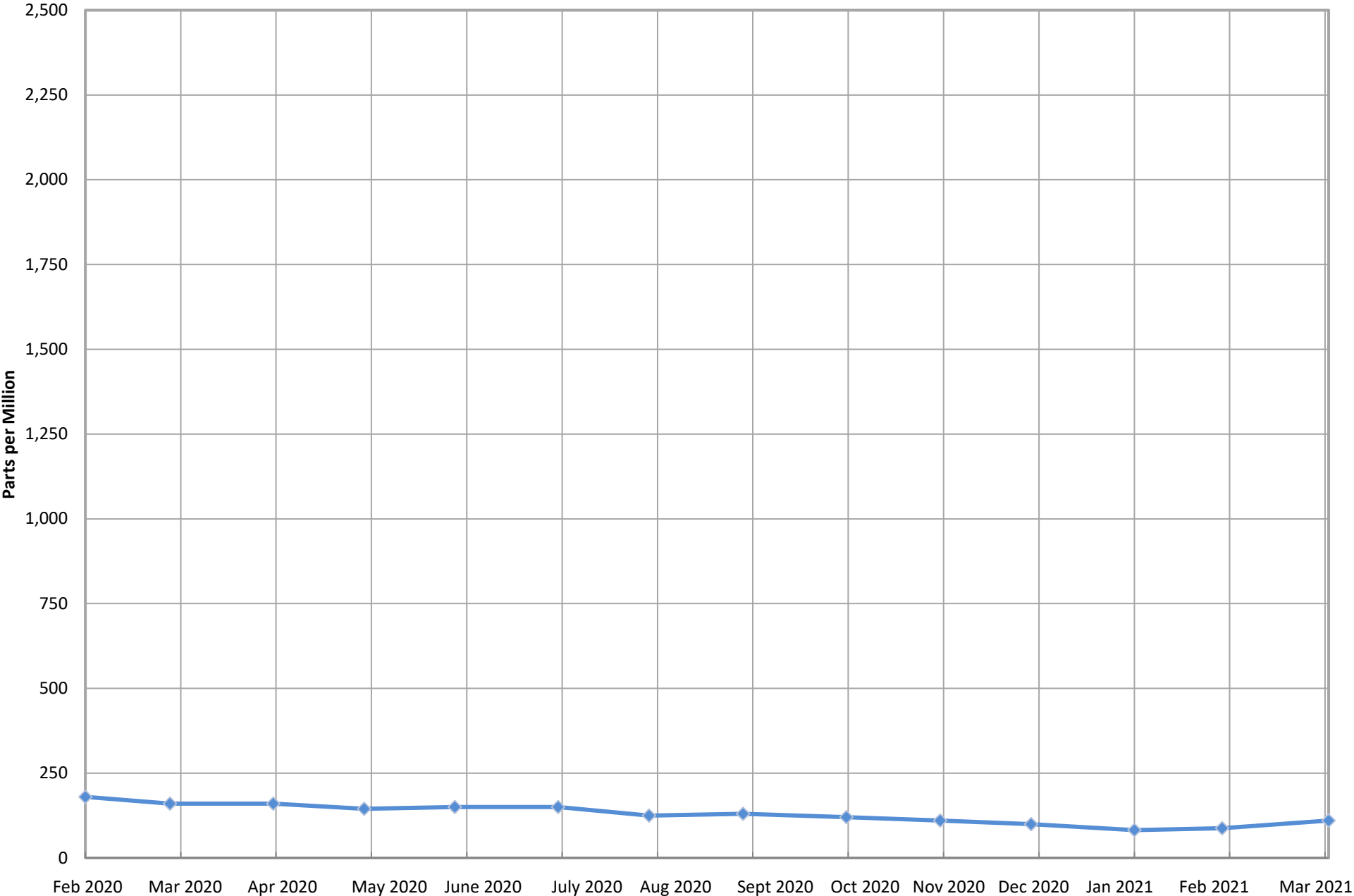
Combined Inlet Gas and Temperature*



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

Combined Inlet Carbon Monoxide*

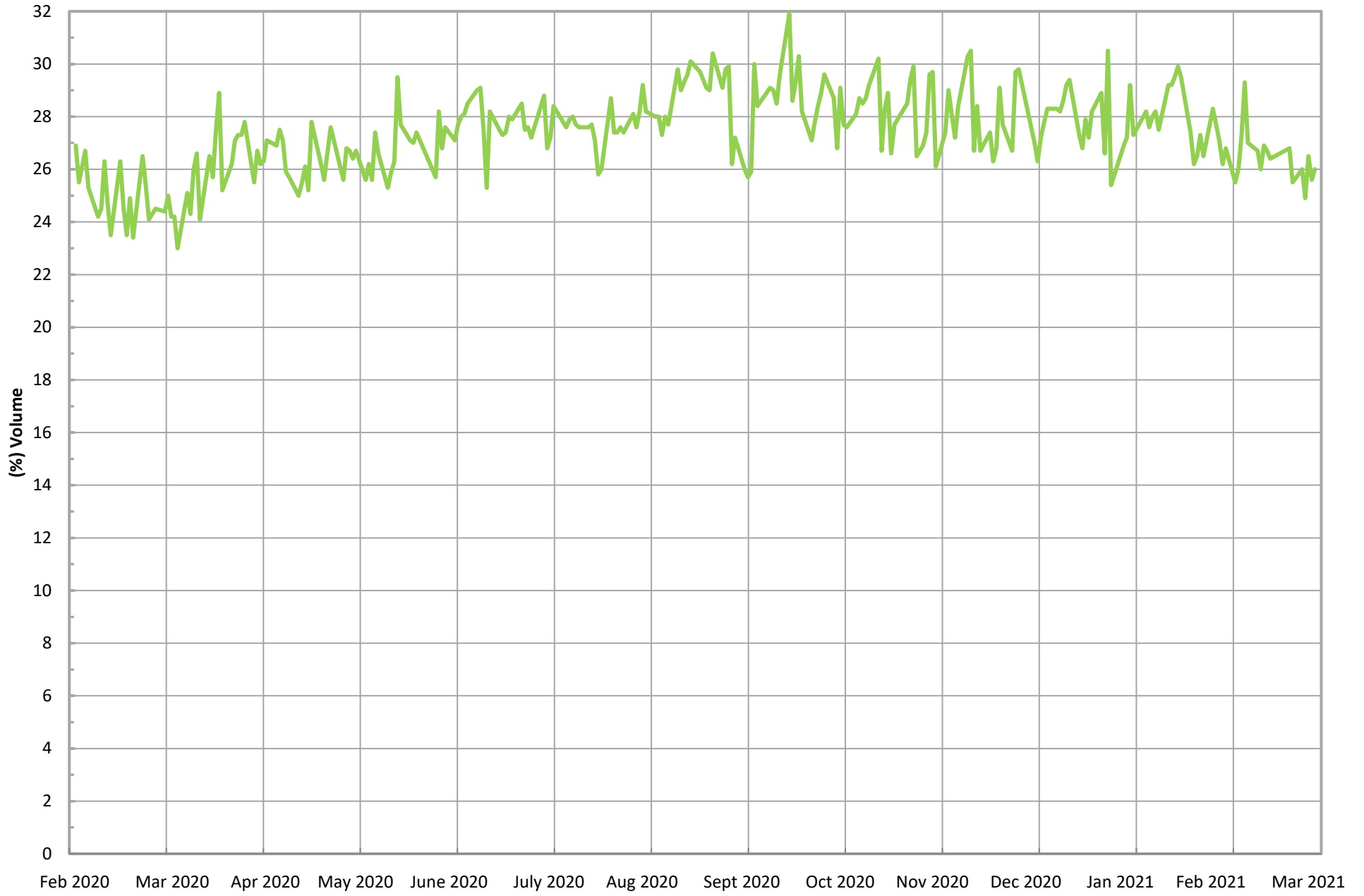


—◆— Inlet Carbon Monoxide*

*Data collected from Laboratory Reports.

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Combined Inlet Methane (Field Data)*

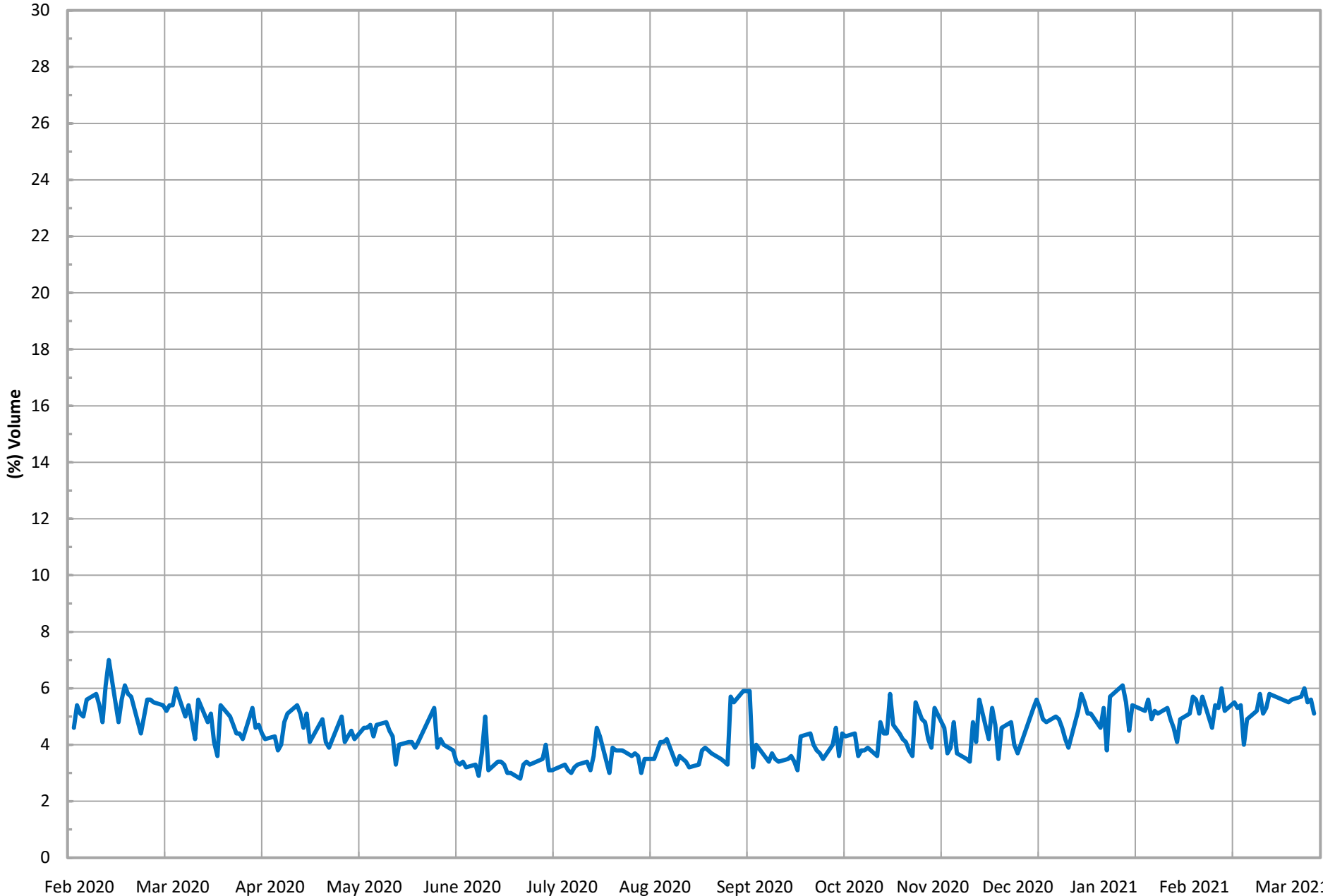


*Gas data collected from field monitoring data.

— Combined Inlet Methane (Field Data)*

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Combined Inlet Oxygen (Field Data)*

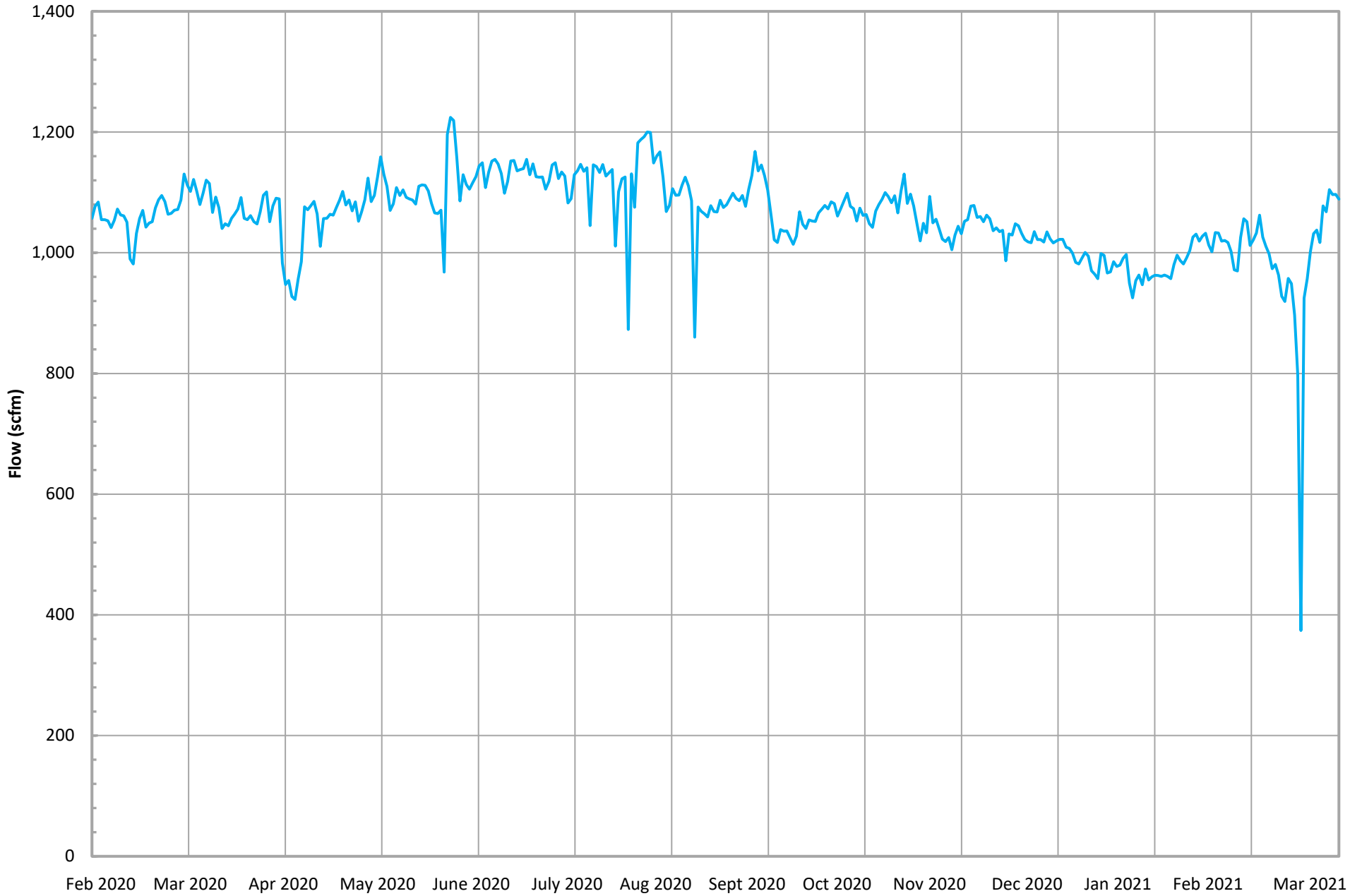


*Gas data collected from field monitoring data

— 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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