

Daily Flare Monitoring Data - Bridgeton Landfill  
April 2017

Date	Average Device Flow* (scfm)				Total Avg. Flow** (scfm)
	Utility Flare (FL-100)	Utility Flare (FL-120)	Utility Flare (FL-140)	EP14 NQ Utility Flare***	
4/1/2017	0	0	1,488	177	1,664
4/2/2017	0	0	1,500	180	1,679
4/3/2017	0	0	1,484	177	1,661
4/4/2017	0	0	1,474	176	1,650
4/5/2017	0	0	1,481	174	1,655
4/6/2017	0	0	1,523	172	1,696
4/7/2017	0	0	1,581	183	1,765
4/8/2017	0	0	1,576	192	1,768
4/9/2017	0	0	1,603	192	1,795
4/10/2017	0	0	1,640	189	1,829
4/11/2017	0	0	1,631	187	1,819
4/12/2017	0	0	1,655	187	1,843
4/13/2017	0	0	1,637	188	1,825
4/14/2017	0	0	1,702	187	1,889
4/15/2017	0	0	1,731	187	1,918
4/16/2017	0	0	1,704	182	1,886
4/17/2017	0	0	1,606	183	1,789
4/18/2017	0	0	1,469	186	1,655
4/19/2017	0	0	1,486	188	1,673
4/20/2017	0	0	1,463	185	1,648
4/21/2017	0	0	1,418	179	1,597
4/22/2017	0	0	1,412	182	1,593
4/23/2017	0	0	1,431	186	1,617
4/24/2017	0	0	1,440	189	1,629
4/25/2017	0	0	1,370	195	1,565
4/26/2017	0	0	1,416	192	1,608
4/27/2017	0	0	1,430	188	1,618
4/28/2017	0	0	1,453	180	1,633
4/29/2017****	0	0	1,497	124	1,620
4/30/2017 ****	0	0	1,622	0	1,622
<b>Average</b>	0	0	1,531	176	<b>1,707</b>

\* Flows normalized to \*\*Blower Outlet Flowmeter - EPA Method 2 measurement verified  
 \*\*\* On 3/18/2016, the Bridgeton Landfill began separating the North Quarry gas to the Auxiliary Flare  
 \*\*\*\* Due to electrical issues caused by a weather event, the North Quarry gas was redirected to the main flare

Flare Station Lab Data

South Quarry

Date	CH4	CO2	O2	N2	H2	CO (ppm)	Comments:
3/2/2016	10.7	34.6	8.8	35.3	9.6	910	Gas concentrations based on gas concentration in Outlet B
4/12/2016	8.2	37.0	8.1	35.0	10.5	1050	Gas concentrations based on average of Blower Outlet 1 and Blower Outlet 2
5/3/2016	9.2	41.3	6.3	29.5	12.4	1200	Gas concentrations based on average of Blower Outlet 1 and Blower Outlet 2
6/7/2016	8.8	40.3	6.9	30.5	12.1	1200	Gas concentrations based on average of Blower Outlet 1 and Blower Outlet 2
7/5/2016	9.5	41.2	6.5	29.0	12.1	1100	Gas concentrations based on gas concentration in Blower Outlet B
8/9/2016	10.1	39.3	6.8	30.7	11.4	1100	Gas concentrations based on average of Blower Outlet A and Blower Outlet B
9/7/2016	8.7	39.4	6.9	31.9	11.4	940	Gas concentrations based on average of Blower Outlet A and Blower Outlet B
10/4/2016	9.6	41.6	6.0	28.8	12.4	1000	Gas concentrations based on average of SQ OU 1 and SQ OU 2
11/1/2016	10.4	42.4	5.7	27.2	12.5	900	Gas concentrations based on average of Blower Outlet A and Blower Outlet B
12/6/2016	9.3	37.8	7.7	32.4	12.0	840	Gas concentrations based on average of Blower Outlet A and Blower Outlet B
1/4/2017	9.8	38.7	7.4	30.6	12.8	815	Gas concentrations based on average of Blower Outlet A and Blower Outlet B
2/7/2017	9.7	37.7	7.9	31.7	12.2	840	Gas concentrations based on average of Blower Outlet A and Blower Outlet B
3/7/2017	9.1	35.0	8.6	35.2	11.6	695	Gas concentrations based on average of Blower Outlet A and Blower Outlet B
4/4/2017	9.3	35.6	8.5	34.5	11.5	680	Gas concentrations based on average of Blower Outlet A and Blower Outlet B

North Quarry

Date	CH4	CO2	O2	N2	H2	CO (ppm)	Comments:
4/12/2016	47.0	38.0	1.8	11.5	ND	47.5	Gas concentrations based on average of NQ EP14 and EP14 2
5/3/2016	49.0	37.2	ND	11.8	ND	ND	Gas concentrations based on average of NQ EP14 1 and EP14 2
6/7/2016	41.0	33.1	3.5	21.5	ND	ND	Gas concentrations based on average of NQ EP14 1 and EP14 2
7/5/2016	47.3	36.2	2.8	13.3	ND	ND	Gas concentrations based on average of NQ EP14 A and EP14 B
8/9/2016	51.3	38.5	1.0	7.8	ND	ND	Gas concentrations based on average of NQ EP14 A and EP14 B
9/7/2016	49.2	37.6	2.0	10.3	ND	ND	Gas concentrations based on average of NQ EP14 A and EP14 B
10/4/2016	46.1	35.8	2.3	14.9	ND	ND	Gas concentrations based on average of NQ EP14 A and EP14 B
11/1/2016	40.4	31.3	5.0	22.6	ND	ND	Gas concentrations based on average of NQ EP14 A and EP14 B
12/6/2016	46.0	36.1	1.9	14.9	ND	ND	Gas concentrations based on average of NQ EP14 A and EP14 B
1/4/2017	40.7	34.1	2.1	22.0	ND	ND	Gas concentrations based on average of NQ EP14 A and EP14 B
2/7/2017	47.1	36.5	0.9	13.8	ND	ND	Gas concentrations based on average of NQ EP14 A and EP14 B
3/7/2017	42.7	34.9	1.7	18.8	ND	ND	Gas concentrations based on average of NQ EP14 A and EP14 B
4/4/2017	46.5	37.9	ND	11.7	ND	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 scfm
	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)	
4/1/2016	7.7	36.6	10.5	45.2	29.77	79							0	509	2187	2696	230	2826
4/2/2016													0	0	2646	2646	325	2971
4/3/2016													0	0	2677	2677	328	3005
4/4/2016	7.4	33.6	10.3	48	27.25	84							0	0	2739	2739	321	3061
4/5/2016	8.5	32.4	10.1	49	26.7	60							0	0	2712	2712	325	3037
4/6/2016	8.8	36.2	8.5	46.5	24.49	75							0	722	1922	2644	298	2942
4/7/2016	8	33.1	9.2	49.7	17.02	64	44.9	36.8	2.1	16.2	1.47	77.3	0	1260	1375	2635	262	2897
4/8/2016	8	35.8	9.4	46.8	18.68	62							0	1286	1320	2606	253	2859
4/9/2016													0	1252	1355	2607	241	2849
4/10/2016													0	1229	1337	2567	225	2791
4/11/2016	8.7	35.7	8.6	47	17.45	71							0	1205	1307	2512	198	2710
4/12/2016	8.5	38.8	9	43.7	16.24	57	46.5	39.4	1.4	12.7	0.25	80	0	1176	1355	2532	193	2725
4/13/2016	9.5	37	9	44.5	18.37	62							0	1141	1362	2503	222	2725
4/14/2016	8.4	40.2	8.5	42.9	16.7	66							0	961	1384	2345	262	2607
4/15/2016	9.4	43.2	7	40.4	18.05	75							0	999	1241	2240	268	2508
4/16/2016													0	1083	1155	2238	269	2507
4/17/2016													0	1130	1148	2277	270	2547
4/18/2016	9.5	42.7	6.9	40.9	18.01	81							0	1160	1137	2297	273	2570
4/19/2016	9.3	42.3	6.7	41.7	18.74	87	43.1	36	3.1	17.8	1.51	101.9	0	1183	1125	2308	279	2587
4/20/2016	9.4	40.6	7	43	17.77	78							0	1166	1090	2256	271	2527
4/21/2016	9.5	42	6.5	42	17.7	91	47.8	39	1.6	11.6	1.68	89.2	0	1128	1110	2238	270	2507
4/22/2016	9.5	42	6.7	41.8	18.07	77							0	1135	1095	2230	248	2477
4/23/2016													0	1144	1114	2258	235	2493
4/24/2016													0	1123	1152	2275	235	2510
4/25/2016	9.6	42.6	6.2	41.6	17.83	88							0	1128	1162	2290	234	2524
4/26/2016	9.7	42.9	6.2	41.2	18.74	98	47.5	39	1.8	11.7	1.38	97.8	0	532	1734	2266	227	2493
4/27/2016	9.4	42.7	6.4	41.5	19.17	81							0	0	2312	2312	235	2547
4/28/2016	9.9	40.1	6.9	43.1	21.8	84.4							0	0	2445	2445	266	2711
4/29/2016	9.6	41.8	6.8	41.8	20.94	79							0	0	2484	2484	273	2757
4/30/2016													0	0	2409	2409	262	2670
5/1/2016													0	0	2424	2424	253	2676
5/2/2016	10	37.6	7.6	44.8	22.54	73							0	0	2322	2322	249	2571
5/3/2016	9.7	43.4	6.8	40.1	19.96	74	49.2	37.8	1.1	11.9	1.24	76.4	0	0	2273	2273	246	2519
5/4/2016	10.4	43.4	6	40.2	19.47	78							0	0	2280	2280	241	2520
5/5/2016	10	42.5	6.4	41.4	20.27	72.7							0	0	2345	2345	243	2588
5/6/2016	9.9	41	6.7	42.4	20.45	72.7							0	0	2367	2367	246	2613
5/7/2016													0	0	2345	2345	244	2589
5/8/2016													0	0	2342	2342	245	2586
5/9/2016	10.2	42.2	6.2	41.4	19.11	85.8							0	0	2347	2347	243	2591
5/10/2016	9.7	41.7	6.8	41.8	21	82	49.5	37	1.4	12.1	1.28	112	0	0	2505	2505	244	2748
5/11/2016	9	38.5	8.2	44.3	21.79	102							0	0	2513	2513	247	2761
5/12/2016	9.3	41.9	7.2	41.6	16.19	83.8							0	0	2364	2364	242	2606
5/13/2016	9.2	40.2	7.6	43	17.93	85.9							0	0	2492	2492	243	2736
5/14/2016													0	0	2565	2565	249	2814
5/15/2016													0	0	2597	2597	252	2849
5/16/2016	7.6	36.9	9.5	46	17.97	75							0	0	2604	2604	252	2856
5/17/2016	7.7	36.8	9.6	45.9	19.58	68.4							0	0	2561	2561	247	2808
5/18/2016	7.9	39.3	9.4	43.4	15.56	73							0	0	2486	2486	244	2730
5/19/2016	8.5	39.9	8.4	43.2	16.15	78							0	0	2462	2462	240	2702

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 scfm
	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)	
5/20/2016	8.8	40.4	8.1	42.7	23.17	62.1							0	0	2427	2427	233	2660
5/21/2016													0	0	2420	2420	279	2698
5/22/2016													0	0	2458	2458	283	2740
5/23/2016	9.4	41.7	7.3	71.6	22.66	93.5							0	0	2474	2474	290	2764
5/24/2016	9.6	41.8	6.8	41.8	23.17	96	45.5	36.9	1.3	16.3	1.02	95.1	0	0	2493	2493	173	2666
5/25/2016	11.2	41	6.6	41.2	22.71	95							0	0	2523	2523	208	2731
5/26/2016	10.3	43.5	5.6	40.6	41.99	106							0	0	2610	2610	473	3083
5/27/2016	9.4	37.9	8.2	44.5	24.98	88							0	0	2430	2430	413	2842
5/28/2016													0	0	2456	2456	415	2871
5/29/2016													0	0	2511	2511	417	2928
5/30/2016	9.6	37.7	7.7	45	24.86	101							0	0	2525	2525	395	2919
5/31/2016	9.8	38.5	7.6	44.1	24.62	101							0	0	2568	2568	410	2978
6/1/2016	9.6	38.8	7.4	44.2	24.37	98	41.9	33.2	2.9	22	1.12	110.2	0	0	2506	2506	330	2836
6/2/2016	8.9	37.6	7.6	45.9	22.17	102							0	0	2365	2365	292	2657
6/3/2016	9.7	39.6	7.1	43.6	20.82	96							0	0	2257	2257	289	2546
6/4/2016													0	0	2237	2237	292	2529
6/5/2016													0	0	2236	2236	292	2528
6/6/2016	9.6	43.3	6.5	40.6	21.99	75.5							0	0	2279	2279	294	2573
6/7/2016	9.6	42.3	7.2	40.9	21.61	86	41.8	36.1	3.2	18.9	1.1	89.1	0	0	2296	2296	293	2589
6/8/2016	9.6	43.2	6.6	40.6	19.96	95							0	0	2279	2279	309	2588
6/9/2016	9.5	43.4	6.8	40.3	23.38	93							0	0	2305	2305	314	2619
6/10/2016	9.4	42.8	6.7	41.1	21.61	99							0	0	2260	2260	315	2574
6/11/2016													0	0	2209	2209	319	2528
6/12/2016													0	0	2202	2202	317	2519
6/13/2016	10.9	46.2	4.8	38.1	19.45	99							0	0	2158	2158	319	2477
6/14/2016	10.8	45.3	5.1	38.8	19.32	100	43.6	36.6	2.4	17.4	1.29	102.6	0	0	2198	2198	324	2521
6/15/2016	10.5	45.2	5.4	38.9	22.37	100							0	0	2229	2229	323	2552
6/16/2016	10.9	46.1	5.1	37.9	20.33	105							0	0	2380	2380	322	2701
6/17/2016	10.2	44.3	6.2	39.3	24.85	108							0	0	2326	2326	315	2640
6/18/2016													0	0	2351	2351	315	2667
6/19/2016													0	0	2346	2346	320	2666
6/20/2016	10.4	41.7	5.8	42.1	24.85	106							0	0	2357	2357	311	2668
6/21/2016	10.4	42.1	6.1	41.4	23.09	105	47	36.6	2.4	14	1.11	89.4	0	0	2306	2306	300	2606
6/22/2016	11.6	42.6	6.2	39.6	25.4	104							0	0	2354	2354	288	2641
6/23/2016	10.9	43.3	6	39.8	25.21	108							0	0	2359	2359	279	2638
6/24/2016	11.4	43.7	5.7	39.2	23.02	108							0	0	2337	2337	279	2616
6/25/2016													0	0	2270	2270	276	2546
6/26/2016													0	0	2216	2216	276	2492
6/27/2016	11	44.9	5.4	38.7	23.68	107.1							0	0	2237	2237	287	2524
6/28/2016	11.7	46.6	4.9	36.8	19.66	110	45.9	35.5	2.9	15.7	0.66	102.3	0	0	2188	2188	290	2477
6/29/2016	10.8	41.8	6.4	41	21.31	96							0	0	2275	2275	288	2563
6/30/2016	9.9	39.1	7.4	43.6	24.37	102							0	1215	1050	2265	287	2552
7/1/2016	10.5	40.8	6.3	42.4	26.13	97							0	2273	0	2273	289	2562
7/2/2016													0	2195	0	2195	282	2476
7/3/2016													0	2189	0	2189	283	2471
7/4/2016													0	2249	0	2249	285	2534
7/5/2016	10.8	42.4	6.9	39.9	28.21	112	48.7	36.1	2.4	12.8	1.01	85.3	0	2336	0	2336	294	2630
7/6/2016	10.7	43.2	6.1	40	26.31	117							0	2211	0	2211	287	2498
7/7/2016	10.1	42.4	6.4	41.1	30.66	106							0	2211	0	2211	287	2498

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 scfm
	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)	
7/8/2016	10.4	43.7	6.1	39.8	56.45	114.4							0	2284	0	2284	288	2572
7/9/2016													0	2293	0	2293	286	2580
7/10/2016													0	2279	0	2279	285	2564
7/11/2016	10.6	43.8	6.2	39.4	17.12	102.5							0	2290	0	2290	290	2579
7/12/2016	12.1	41.8	6.6	39.5	12.09	99							0	2383	0	2383	287	2670
7/13/2016	9.4	34.6	8.2	47.8	25.34	110							0	2434	0	2434	256	2690
7/14/2016	9.7	39.4	7.4	43.5	21.25	76.4	51.5	37.2	2	9.3	0.78	112.7	0	2450	0	2450	244	2695
7/15/2016	9.6	36.8	8.1	45.5	48.81	145							0	2486	0	2486	292	2778
7/16/2016													0	2439	0	2439	291	2731
7/17/2016													0	2405	0	2405	293	2698
7/18/2016	8.9	39.3	8.1	43.7	39.53	118.2							0	2465	0	2465	292	2756
7/19/2016	9	38.4	8.3	44.3	35.64	121.6							0	2493	0	2493	295	2788
7/20/2016	9.5	39.3	7.6	43.6	50.49	109.4	50.9	35.1	2.5	11.5	0.96	118.6	0	2414	0	2414	329	2743
7/21/2016	10.1	41	6.6	42.3	51.33	124.6							0	2444	0	2444	294	2738
7/22/2016	10.3	40.7	7.1	41.9	30.11	107.4							0	2338	0	2338	289	2626
7/23/2016													0	2304	0	2304	286	2590
7/24/2016													0	2275	0	2275	284	2559
7/25/2016	11.9	44.8	5.2	38.1	30.99	120							0	1800	437	2236	401	2637
7/26/2016	9.4	38.3	8.3	44	41.78	115	52.8	39.3	0.6	7.3	0.87	111.5	0	2425	0	2425	249	2674
7/27/2016	10.3	41.2	7.2	41.3	33.45	112							0	2351	0	2351	254	2605
7/28/2016	10.3	41.7	6.9	41.1	20	105							0	2388	0	2388	248	2636
7/29/2016	9.8	39.6	7.6	43	14.88	106							0	2312	0	2312	244	2556
7/30/2016													0	2210	0	2210	239	2449
7/31/2016													0	2245	0	2245	242	2487
8/1/2016	11	40.2	6.7	42.1	15.68	93							0	2291	0	2291	234	2525
8/2/2016	10	40.6	6.7	42.7	32.94	126							0	2378	0	2378	246	2624
8/3/2016	9	37.5	8.3	45.2	22.71	99	53.8	40.6	0.6	5	0.93	101.3	0	2305	0	2305	264	2569
8/4/2016	11.2	42.5	5.8	40.5	25.67	112							0	2330	0	2330	270	2600
8/5/2016	10	40.5	7.5	42	16.45	94							0	2300	0	2300	265	2565
8/6/2016													0	2292	0	2292	266	2558
8/7/2016													0	2319	0	2319	185	2504
8/8/2016	10.6	38.9	7.2	43.3	22.6	103							10	2275	0	2285	273	2558
8/9/2016	11.2	38.9	6.8	43.1	21.19	107	53	39.7	1.1	6.2	0.9	95.8	1474	816	0	2290	223	2513
8/10/2016	9	36.7	8.5	45.8	31.01	119	49.7	38.4	1.4	10.5	1.02	92.5	2495	0	0	2495	284	2779
8/11/2016	9	35.9	8.5	46.6	15.87	111							2555	0	0	2555	278	2833
8/12/2016	8.9	34.3	9	47.8	12.21	107							2484	82	0	2566	325	2891
8/13/2016													0	2545	0	2545	295	2840
8/14/2016													0	2436	0	2436	287	2723
8/15/2016	9.1	33.6	9.1	48.2	32.33	96	53.1	38.4	0.7	7.8	0.89	84.3	1216	1179	0	2395	283	2677
8/16/2016	8.5	34.6	9.3	47.6	20.57	103.1							2460	0	0	2460	290	2750
8/17/2016	8.3	34.5	9	48.2	35.82	110.8	51.3	39.3	0.9	8.5	0.84	105.6	2540	0	0	2540	292	2831
8/18/2016	8.3	35.7	8.6	47.4	26.62	125							2480	0	0	2480	333	2813
8/19/2016	9.4	36.9	7.9	45.8	21.19	102							2403	0	0	2403	358	2761
8/20/2016													2356	0	0	2356	349	2705
8/21/2016													2354	0	0	2354	346	2700
8/22/2016	9.3	34.9	8.2	47.6	21.19	97							2408	0	0	2408	351	2758
8/23/2016	8.5	35	8.2	48.3	15.19	74.8	48.9	36.1	0.8	14.2	1.14	78	2281	0	0	2281	345	2626
8/24/2016	9.6	38.5	7.1	44.8	11.33	99.5	49	37.3	0.9	12.8	1.27	90.7	2297	0	0	2297	336	2633
8/25/2016	9.5	39.5	6.9	44.1	23.94	107							2339	0	0	2339	298	2637

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
8/26/2016	9.3	37.7	7.5	45.5	16.17	102							2321	0	0	2321	293	2613
8/27/2016													2307	0	0	2307	294	2601
8/28/2016													2333	0	0	2333	297	2630
8/29/2016	9.3	39.2	7.4	44.1	21.37	111.1							2322	0	0	2322	302	2623
8/30/2016	9.3	39	7.3	44.4	23.5	112.7	50.2	38.7	1.2	9.9	1.21	93.6	2269	0	0	2269	305	2574
8/31/2016	9.3	39.1	7.2	44.4	26.5	105.4							2265	0	0	2265	304	2569
9/1/2016	10.1	37.3	7.6	45	29.45	102							2260	0	0	2260	307	2566
9/2/2016	9.3	37.4	7.5	45.8	22.66	90.6							2228	0	0	2228	304	2532
9/3/2016													2245	0	0	2245	308	2554
9/4/2016													2263	0	0	2263	310	2572
9/5/2016													2272	0	0	2272	312	2584
9/6/2016	9.3	39.5	7.1	44.1	42.31	117.3							2060	0	0	2060	318	2379
9/7/2016	9.5	38.6	7.2	44.7	33.19	113	50.2	36.1	1.7	12	0.98	92.2	1917	0	0	1917	323	2240
9/8/2016	9.4	40.7	7	42.9	37.89	115	51.2	37.8	1.5	9.5	0.82	92.5	1993	0	0	1993	312	2305
9/9/2016	9.2	41.3	7.4	42.1	37.12	98	50.3	37.8	1.4	10.5	0.73	80.6	2063	0	0	2063	317	2380
9/10/2016													1988	0	0	1988	299	2287
9/11/2016													2023	0	0	2023	311	2334
9/12/2016	9.9	40.8	6.8	42.5	37.12	102.5	49.4	37.6	1.8	11.2	1.21	88.6	1993	0	0	1993	323	2315
9/13/2016	10	39.7	6.2	44.1	30.92	105	49.2	37.4	1.7	11.7	1.23	107.6	1986	0	0	1986	328	2314
9/14/2016	10	41.4	6.4	42.2	27.78	105.7							1964	0	0	1964	333	2297
9/15/2016	10.2	42.6	6.1	41.1	28.21	104.8	49.2	37.2	1.6	12	1.18	88.4	1938	0	0	1938	354	2292
9/16/2016	10	42.8	6.1	41.1	25.54	98.6							1884	0	0	1884	376	2261
9/17/2016													1917	0	0	1917	374	2291
9/18/2016													1919	0	0	1919	377	2295
9/19/2016	10.5	41.4	5.9	42.2	28.54	105							1925	0	0	1925	380	2305
9/20/2016	10.1	40.4	5.6	43.9	28.54	110	47.5	35.5	1.4	15.6	1.41	90.3	1939	0	0	1939	380	2319
9/21/2016	10.5	41.9	5.8	41.8	25.11	106.8	47.7	36.9	1.1	14.3	1.14	89.3	1932	0	0	1932	380	2312
9/22/2016	9.9	43.3	6.1	40.7	25.41	81.7							1925	0	0	1925	376	2301
9/23/2016	9.8	43.2	6	41	28.54	106.4							1921	0	0	1921	364	2285
9/24/2016													1899	0	0	1899	376	2275
9/25/2016													1880	0	0	1880	373	2253
9/26/2016	10.1	40.7	6.2	43	28.66	63.7							1856	0	0	1856	358	2214
9/27/2016	10.7	40.8	5.7	42.8	29.15	87	48.7	37.3	0.9	13.1	1.47	97.5	1921	0	0	1921	362	2283
9/28/2016	10.7	42	5.8	41.5	27.25	89	45.1	35.3	1.7	17.9	1.57	80.2	1987	0	0	1987	334	2321
9/29/2016	9.9	40.6	6.7	42.8	27.74	80	44.7	33.7	1.9	19.7	1.61	74.6	1912	0	0	1912	320	2232
9/30/2016	13.2	40.7	6.2	39.9	25.84	92.3							1813	0	0	1813	303	2116
10/1/2016													1805	0	0	1805	300	2105
10/2/2016													1805	0	0	1805	302	2107
10/3/2016	10	40.5	6.9	42.6	29.88	97							1833	0	0	1833	308	2141
10/4/2016	10.2	39.9	6.5	43.4	28.23	89	46.5	34.4	2.2	16.9	1.13	82.1	1818	0	0	1818	313	2131
10/5/2016	10.1	40.7	6.4	42.8	29.7	95							1821	0	0	1821	323	2144
10/6/2016	10.5	42.7	6.1	40.7	25.66	97	46.4	35.8	1.7	16.1	0.93	84.9	1794	0	0	1794	319	2113
10/7/2016	10.1	41.6	6.2	42.1	27.74	94	45.8	37.8	1.8	14.6	0.87	82.8	1766	0	0	1766	310	2076
10/8/2016													1770	0	0	1770	314	2084
10/9/2016													1774	0	0	1774	316	2089
10/10/2016	10.7	40.4	6.2	42.7	27.07	88							1810	49	0	1859	312	2171
10/11/2016	9.7	40.4	6.7	43.2	27.8	90	47.7	38	1.7	12.6	1.13	89.5	1860	0	0	1860	267	2127
10/12/2016	10.3	38.8	6.9	44	25.54	91.3	48.1	37.4	1.5	13	1.2	77.5	1810	0	0	1810	212	2022
10/13/2016	10.2	38.2	7.7	43.9	29.39	73.6	46.6	34.6	1.5	17.3	1.36	84.8	1801	0	0	1801	209	2010

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 scfm
	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)	
10/14/2016	10.1	42	6.8	41.1	35.39	85.2							1809	0	0	1809	215	2024
10/15/2016													1815	0	0	1815	215	2030
10/16/2016													1814	0	0	1814	221	2035
10/17/2016	10.5	39.7	6.5	43.3	28.48	95	48.6	36.4	1.4	13.6	1.18	82.4	1103	673	0	1775	207	1983
10/18/2016	10.7	40.5	6.3	42.5	21.68	94	48.1	34.5	1.5	15.9	1.31	84.1	0	1718	0	1718	235	1952
10/19/2016	10.5	41.1	6.3	42.1	23.64	90	46.1	35.5	1.6	16.8	1.29	80.2	0	1683	0	1683	228	1911
10/20/2016	10.8	41.6	6.6	41	24.37	77	48.8	32.7	1.4	17.1	1.16	72.5	0	1678	0	1678	222	1900
10/21/2016	10.8	40.2	7	42	23.82	67	46.6	34.6	1.6	17.2	1.24	70.7	625	1053	0	1678	230	1908
10/22/2016													1684	0	0	1684	246	1931
10/23/2016													1707	0	0	1707	226	1932
10/24/2016	9.9	38.9	7.3	43.9	16.53	74	46.8	35	1.6	16.6	1.09	70.1	833	247	646	1726	231	1956
10/25/2016	10.8	37	7	45.2	11.7	71	46.3	35.9	2	15.8	1.15	70.4	0	0	1712	1712	223	1934
10/26/2016	11.1	40	6.4	42.5	9.06	71	47.6	35.8	1.8	14.8	1.11	71.4	0	0	1691	1691	220	1912
10/27/2016	10.1	39.1	7.4	43.4	14.64	75	45.9	34.9	1.8	17.4	2.07	70.3	0	35	1661	1696	220	1917
10/28/2016	10.4	38.5	7.2	43.9	15.8	70	47	35.4	1.9	15.7	1.3	68.4	0	0	1689	1689	224	1913
10/29/2016													0	0	1641	1641	224	1865
10/30/2016													0	0	1626	1626	221	1847
10/31/2016	11	41.2	5.9	41.9	22.96	80	47.9	34.1	1.8	16.2	1.26	72.8	0	429	1219	1648	227	1875
11/1/2016	10.8	41.6	6	41.6	15	85	47.5	35.4	1.8	15.3	1.21	81.1	171	0	1477	1648	223	1871
11/2/2016	10.9	40.8	6	42.3	14.57	88	46.2	35.4	1.7	16.7	1.31	83.7	0	0	1650	1650	218	1868
11/3/2016	10.4	40.1	6.8	42.7	10.66	84	49	34.7	1.2	15.1	1.33	79.2	0	0	1649	1649	217	1866
11/4/2016	9.9	39.8	7.2	43.1	12.68	78	46.9	35.3	1.4	16.4	1.4	77.5	0	0	1753	1753	224	1977
11/5/2016													0	0	1820	1820	225	2045
11/6/2016													0	0	1811	1811	221	2032
11/7/2016	9.6	37.3	8.1	45	10.04	73	48.4	35.3	1.5	14.8	1.35	72.3	0	0	1818	1818	224	2042
11/8/2016	9.9	35	8.3	46.8	13.59	89	49.7	35.4	1.2	13.7	1.35	76.4	0	0	1809	1809	220	2029
11/9/2016	9.4	36.3	8.2	46.1	17.88	68	47.2	34.3	1.4	17.1	1.16	66.3	0	0	1792	1792	218	2010
11/10/2016	9.5	38.3	8.1	44.1	17.64	65	47.6	36.4	1	15	1.19	67.3	0	0	1774	1774	219	1993
11/11/2016	9.6	37.3	8.2	44.9	17.27	72	46.8	36.4	1.4	15.4	1.11	69	0	0	1782	1782	216	1998
11/12/2016													0	0	1784	1784	216	2000
11/13/2016													0	0	1732	1732	217	1949
11/14/2016	9.8	37.6	7.6	45	16.17	65	47.9	35.4	1.7	15	1.02	65.3	0	0	1730	1730	216	1946
11/15/2016	9.6	37.6	7.8	45	18.06	69	48	35.6	1.5	14.9	0.87	66.5	0	0	1692	1692	212	1904
11/16/2016	9.8	36.7	7.8	45.7	17.45	69	47.5	34.7	1.4	16.4	0.91	68.3	0	0	1701	1701	217	1918
11/17/2016	10.4	39.8	6.6	43.2	16.6	79	48.6	36.2	1.1	14.1	1.01	75.5	0	0	1713	1713	217	1930
11/18/2016	10.4	38.8	6.9	43.9	15.62	84	47.7	35.8	1.3	15.2	1.45	77.7	0	0	1691	1691	221	1912
11/19/2016													0	0	1672	1672	224	1896
11/20/2016													0	0	1699	1699	226	1924
11/21/2016	9.5	35	8.5	47	17.58	53	47.3	33	2.2	17.5	1.32	57.4	0	0	1723	1723	223	1946
11/22/2016	9.7	36.3	8.4	45.6	18.06	59	47.2	35.5	1.6	15.7	1.09	60.4	0	0	1747	1747	218	1965
11/23/2016	9.8	36.4	8.2	45.6	18.86	69	48.3	35.1	1.5	15.1	0.92	65.1	0	0	1723	1723	214	1937
11/24/2016													0	0	1722	1722	212	1934
11/25/2016	9.5	36.4	9	45.1	18.92	65.5	47.4	33.5	1.4	17.7	1.02	62.6	0	0	1692	1692	206	1898
11/26/2016													0	0	1674	1674	203	1877
11/27/2016													0	0	1683	1683	198	1881
11/28/2016	11	39.7	7.2	42.1	18.31	67	50.3	35.1	1	13.6	1.12	62.1	0	0	1665	1665	186	1850
11/29/2016	10.5	37.9	7.8	43.8	18.49	65	48	34.3	1.5	16.2	0.86	60.2	0	0	1627	1627	179	1807
11/30/2016	10.2	37.2	8.2	44.4	18.98	58	47.7	33.8	1.3	17.2	0.73	56.9	0	0	1607	1607	190	1797
12/1/2016	9.4	35	8.8	46.8	16.47	51	47.9	34.2	1.5	16.4	0.87	53.2	0	0	1683	1683	204	1887

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 scfm
	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)	
12/2/2016	9.8	35.5	7.9	46.8	26.82	64	41.7	33.5	2.6	22.2	0.95	64.4	0	0	1740	1740	185	1924
12/3/2016													0	0	1736	1736	180	1916
12/4/2016													0	0	1724	1724	175	1900
12/5/2016	9.7	36.2	8.5	45.6	15.13	53	46.6	34.4	1.4	17.6	0.8	52.7	0	0	1625	1625	176	1802
12/6/2016	10.5	37.5	7.5	44.5	16.6	57	47.3	36.2	1.4	14.2	0.93	55.9	0	0	1561	1561	170	1731
12/7/2016	10.6	36.3	8.1	45	14.7	49	47.8	33.3	1.3	17.6	0.67	51.7	0	0	1554	1554	172	1726
12/8/2016	9.4	36.5	8.8	45.3	15	32							0	0	1582	1582	166	1747
12/9/2016	9.7	32.9	8.6	48.8	14.15	37							0	0	1606	1606	196	1802
12/10/2016													0	0	1599	1599	203	1802
12/11/2016													0	0	1600	1600	200	1800
12/12/2016	9.9	35.6	8.5	46	15.55	52	46.2	31.5	1.8	20.5	1.21	53.9	0	0	1621	1621	194	1815
12/13/2016	10.2	34.9	8.6	46.3	16.41	53	46.9	29.8	2	21.3	0.87	53.4	0	0	1645	1645	184	1829
12/14/2016	9.6	34.4	8.9	47.1	18.55	38	44.7	33.4	1.9	20	0.98	43.8	0	0	1682	1682	173	1855
12/15/2016	10	31.5	9.6	48.9	14.64	34	46.4	30.5	2.4	20.7	1.06	39.9	0	0	1675	1675	186	1862
12/16/2016	11	33.4	8	47.6	13.78	39	47	29.5	2.3	21.2	0.77	41.2	0	0	1635	1635	179	1814
12/17/2016													0	0	1607	1607	216	1823
12/18/2016													0	0	1549	1549	166	1715
12/19/2016	10.9	39.9	6.9	42.3	22.35	48.1	42.6	33.8	2	21.6	1.45	57.1	0	0	1450	1450	160	1610
12/20/2016	9.8	35.2	9.2	45.8	18	36	44.1	31.2	2.1	22.6	1.21	43.8	0	0	1652	1652	237	1889
12/21/2016	9.6	34	8.7	47.7	17.33	47.2	43.2	30	1.9	24.9	1.57	51.5	0	0	1711	1711	232	1942
12/22/2016	9.6	31.5	9.3	49.6	17.39	53.1	39.6	29.2	2	29.2	1.32	53.1	0	0	1666	1666	250	1916
12/23/2016	10.1	35.8	8.4	45.7	15.92	36	44	30.1	1.7	24.2	1.7	53	0	0	1628	1628	254	1882
12/24/2016													0	0	1622	1622	240	1862
12/25/2016													0	0	1650	1650	237	1887
12/26/2016													0	0	1631	1631	229	1860
12/27/2016	9.3	36.2	9.7	44.8	15.56	50.5	39.7	33	1.7	25.6	1.16	53.1	0	0	1656	1656	222	1879
12/28/2016	10.7	34.3	8.4	46.6	17.39	39.1	40.9	32.8	1.6	24.7	1.35	54.9	0	0	1635	1635	213	1849
12/29/2016	10.6	36	8.7	44.7	15.55	54	37.6	29.5	2.2	30.7	1.12	50.7	0	0	1574	1574	192	1765
12/30/2016	10.3	38.6	8.5	42.6	17.63	48	38.9	32.3	2.3	26.5	1.08	50	0	0	1552	1552	210	1761
12/31/2016	11.8	41.1	7	40.1	16.24	63.3	40.9	34	2.1	23	1.09	61.2	0	0	1526	1526	195	1721
1/1/2017													0	0	1533	1533	190	1724
1/2/2017													0	0	1510	1510	192	1702
1/3/2017	11.1	30.9	7.7	50.3	15.35	57	40	27.1	1.5	31.4	1.11	50.7	0	0	1504	1504	195	1698
1/4/2017	11.3	34	8.5	46.2	15.18	52	40.8	35.2	1.7	22.3	1.18	44.1	0	0	1516	1516	218	1734
1/5/2017	10.2	38.1	8	43.7	17.21	37	42.1	33.2	1.8	22.9	1.06	39.3	0	0	1504	1504	166	1670
1/6/2017	9.4	33.4	9.9	47.3	16.6	25							0	0	1499	1499	121	1620
1/7/2017	10.2	39.4	8.2	42.2	14.88	52	43.1	31.9	3.2	21.8	0.78	51.8	0	0	1481	1481	145	1627
1/8/2017													0	0	1437	1437	150	1588
1/9/2017	10.6	40.4	7.7	41.3	14.55	31.2	44.5	31.8	2.8	20.9	0.67	39	0	0	1394	1394	157	1551
1/10/2017	10.3	43.8	7.2	38.7	15.8	65	47.9	34.7	1.6	15.8	0.77	62.2	0	0	1426	1426	165	1592
1/11/2017	10.2	39.9	7.7	42.2	13.11	50	44.5	34.1	2.3	19.1	0.79	50.9	0	0	1468	1468	169	1637
1/12/2017	10.1	39.3	8.3	42.3	14.71	56	40.5	33.9	3.4	22.2	0.86	48.8	0	0	1446	1446	156	1602
1/13/2017	9.4	39	8.3	43.3	16.72	44.7	41.4	30.3	3.3	25	0.8	45.9	0	0	1435	1435	154	1589
1/14/2017													0	0	1412	1412	159	1571
1/15/2017													0	0	1407	1407	164	1571
1/16/2017	11.9	42.8	6.7	38.6	14.67	55	47.7	35.9	2.1	14.3	0.85	54.7	0	0	1403	1403	184	1588
1/17/2017	11	41.8	6.9	40.3	31.12	68	46.9	35.6	1.8	15.7	1.23	58.8	0	0	1453	1453	200	1653
1/18/2017	10.7	40.7	7.4	41.2	25.79	61	45.1	34.9	2	18	1.13	55.6	0	0	1519	1519	203	1721
1/19/2017	10.6	40	7.6	41.8	20.04	63	47.4	34.6	1.7	16.3	1.04	56.8	0	0	1560	1560	207	1767

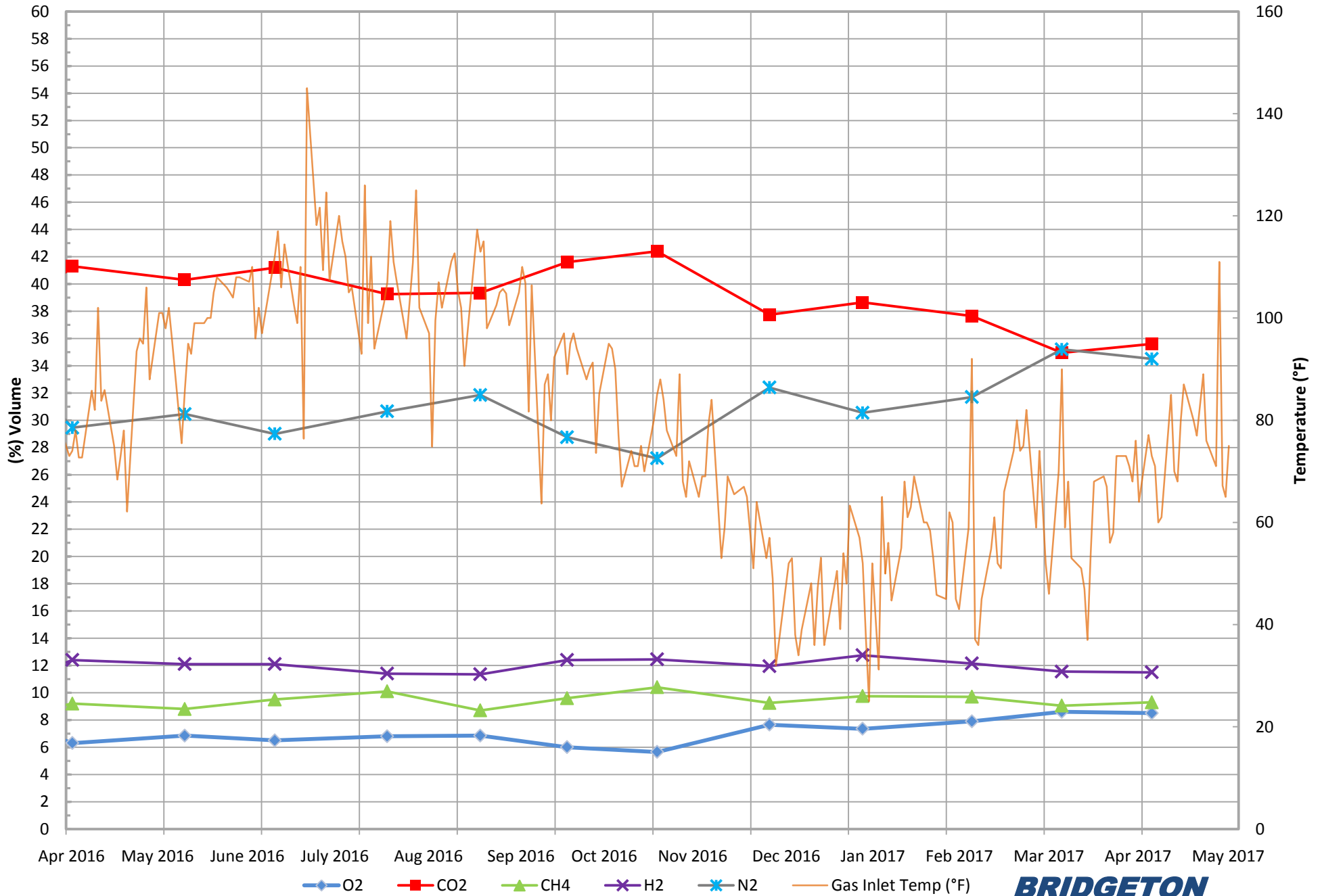


Date	South Quarry						North Quarry						Flare Sta #2 FL-100	Flare Sta #3 FL-120	Flare Sta #1 FL-140	SQ Flare Station Total Utility Flare Flow	NQ Utility Flare Flow (scfm)	Total Flow scfm
	CH4	CO2	O2	Bal.	Press./Vac.	Gas Inlet Temp (°F)	CH4	CO2	O2	Bal.	Press./V ac.	Gas Inlet Temp (°F)	Flow (scfm)	Flow (scfm)	Flow (scfm)	Flow (scfm)	Flow (scfm)	
1/20/2017	10.6	41.6	6.8	41	14.29	69	47.7	35.2	1.5	15.6	1.13	64.9	0	0	1557	1557	203	1760
1/21/2017													0	0	1602	1602	211	1813
1/22/2017													0	0	1560	1560	191	1750
1/23/2017	10.5	39.2	7.9	42.4	14.88	60	46.6	34.5	1.7	17.2	1.04	56.8	0	0	1544	1544	190	1734
1/24/2017	10.8	39.4	7.7	42.1	14.55	60	46.5	35.7	1.6	16.2	1.02	58	0	0	1571	1571	195	1765
1/25/2017	10.3	40.5	7.6	41.6	15.12	58.4	46.9	34.3	1.7	17.1	1.06	61.8	0	0	1554	1554	196	1750
1/26/2017	9.3	37.1	10	43.6	15.9	52.8	44.8	33.8	2.1	19.3	1.1	49.6	0	0	1683	1683	194	1878
1/27/2017	9.8	38.4	9.4	42.4	14.71	45.8	46.7	35.1	1.6	16.6	1.11	51.6	0	0	1592	1592	198	1790
1/28/2017													0	0	1575	1575	199	1774
1/29/2017													0	0	1579	1579	194	1773
1/30/2017	10	34.4	9	46.6	15.31	45	45	31.5	2	21.5	1.11	46.4	0	0	1601	1601	186	1787
1/31/2017	10.5	34.3	8.3	46.9	15.68	62	45.9	32.7	1.8	19.6	1.15	57.2	0	0	1584	1584	205	1789
2/1/2017	9.8	34.8	8.7	46.7	15.86	60	45.2	33.2	1.7	19.9	1.08	57.7	0	0	1,586	1586	205	1790
2/2/2017	9.1	31.7	9.6	49.6	16.17	45	44.2	30.6	2.2	23	1.07	46.3	0	0	1,598	1598	188	1785
2/3/2017	9.4	32.8	9.2	48.6	14.88	43	43.8	31.3	2	22.9	1	42.5	0	0	1,583	1583	187	1770
2/4/2017													0	0	1,531	1531	185	1716
2/5/2017													0	0	1,553	1553	189	1741
2/6/2017	10.3	36.3	8	45.4	14.33	59	47.8	33.6	1.2	17.4	0.97	57.5	0	0	1,635	1635	189	1824
2/7/2017	11.4	36.4	8	44.2	13.66	92	47.3	35	1.3	16.4	0.94	75.2	0	0	1,617	1617	186	1803
2/8/2017	9.9	35.2	8.5	46.4	14.76	37.1	45.8	32.4	1.4	20.4	0.89	50.1	0	0	1,558	1558	180	1738
2/9/2017	9.1	35.7	9.6	45.6	14.46	36	45.1	33.9	1.7	19.3	0.87	37.1	0	0	1,564	1564	189	1754
2/10/2017	13.2	35.7	7.4	43.7	13.66	45	47.8	35	1.5	15.7	1.02	49.8	0	0	1,575	1575	193	1768
2/11/2017													0	0	1,539	1539	200	1739
2/12/2017													0	0	1,499	1499	195	1694
2/13/2017	10.2	40.5	8.2	41.1	15.18	54.8	44.8	35	1	19.2	1.19	61.1	0	0	1,505	1505	200	1705
2/14/2017	11.2	38.8	6.8	43.2	14.02	61	46.9	34.9	0.8	17.4	1.08	60.2	0	0	1,497	1497	199	1696
2/15/2017	10.6	35.3	7.9	46.2	15.25	52	45.3	32.2	1.2	17.4	1.02	48.6	0	0	1,491	1491	195	1686
2/16/2017	10.8	36.1	7.5	45.6	13.96	51	45.4	33	1	17.4	1.17	52.1	0	0	1,518	1518	196	1714
2/17/2017	11.1	37.4	7.2	44.3	15.25	66	45.2	31.8	1.2	17.4	0.93	60.8	0	0	1,677	1677	196	1873
2/18/2017													0	0	1,752	1752	194	1946
2/19/2017													0	0	1,770	1770	200	1970
2/20/2017	8.7	31.8	9.7	49.8	16.41	74	45.3	34.7	0.9	19.1	1.08	67.1	0	0	1,779	1779	201	1980
2/21/2017	9.1	40.3	7.7	42.9	16.53	80	46.5	35.6	0.7	17.2	1.18	68.2	0	0	1,766	1766	202	1967
2/22/2017	9	36.1	9.6	45.3	14.55	74	46.9	36.8	0.7	15.6	1.1	67.1	0	0	1,752	1752	197	1949
2/23/2017	9	32.8	9.4	48.8	15	75	47.6	35.1	0.8	16.5	1.14	67.3	0	0	1,802	1802	196	1999
2/24/2017	8.7	32.7	9.5	49.1	15.31	82	47.6	36	0.9	15.5	0.96	73.4	0	0	1,707	1707	184	1891
2/25/2017													0	0	1,437	1437	174	1611
2/26/2017													0	0	1,535	1535	179	1714
2/27/2017	10.1	36	8.3	45.6	15.92	59	45.1	35.1	1	18.8	0.98	58.9	0	0	1,576	1576	184	1760
2/28/2017	10.4	34.8	8.1	46.7	15.43	74	48.1	37.5	0.7	13.7	1.07	80.4	0	0	1,598	1598	185	1783
3/1/2017	9.8	35.3	8.8	46.1	15.19	63	44.6	35.5	1.1	18.8	0.89	55.7	0	0	1,559	1559	178	1737
3/2/2017	9.6	33.6	9	47.8	14.88	52	43.4	32.8	1.2	22.6	0.93	51.3	0	0	1,543	1543	181	1724
3/3/2017	9	32.6	9.5	48.9	14.15	46	42.1	31.1	1.6	25.2	-15.13	46.3	0	428	925	1352	187	1539
3/4/2017													0	934	646	1580	188	1768
3/5/2017													0	0	1,574	1574	186	1760
3/6/2017	11	37.3	7.7	44	14.94	70	49.1	36.7	0.7	13.5	0.92	66.3	0	0	1,491	1491	203	1694
3/7/2017	10.4	38.1	7.5	44	14.7	90	44.5	36.2	0.8	18.5	0.97	77.3	0	0	1,557	1557	182	1739
3/8/2017	10.1	36.8	8.2	44.9	10.78	59	43.8	35.2	0.8	20.2	0.89	57.7	0	0	1,583	1583	184	1767
3/9/2017	10.2	36.4	8.3	45.1	11.27	68	46.5	36.1	0.7	16.7	0.93	63.9	0	0	1,561	1561	191	1752

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 scfm
	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)	
3/10/2017	9.5	33.7	9.2	47.6	11.51	53	43.2	33	1.3	22.5	0.83	50.4	0	0	1,568	1568	177	1745
3/11/2017													0	0	1,559	1559	164	1723
3/12/2017													0	0	1,560	1560	183	1743
3/13/2017	10.2	35.3	8.5	46	13.78	51	48.5	35.3	0.9	15.3	1.02	47.9	0	0	1,546	1546	181	1727
3/14/2017	9.3	33.9	9.4	47.4	15.19	47	44.7	35.2	1.1	19	1.05	45.6	0	0	1,507	1507	188	1695
3/15/2017	9.2	33.1	9.6	48.1	13.84	37	42.8	33.2	1.5	22.5	0.73	36.9	0	0	1,523	1523	177	1700
3/16/2017	9.7	33.8	8.9	47.6	25.6	54	45.9	33.7	1.2	19.2	0.79	47.9	0	0	1,558	1558	171	1729
3/17/2017	9.7	34.4	9	46.9	25.78	68	49	36.4	0.7	13.9	0.8	57.3	0	0	1,630	1630	174	1803
3/18/2017													0	0	1,612	1612	163	1775
3/19/2017													0	0	1,607	1607	165	1772
3/20/2017	10	34.6	8.6	46.8	15.8	69	50.8	36.2	0.7	12.3	0.85	63.6	0	0	1,630	1630	176	1806
3/21/2017	9.4	32.7	9.4	48.5	15.06	67	46.2	35.7	0.8	17.3	1.02	60	0	0	1,599	1599	193	1792
3/22/2017	8.9	31.4	10	49.7	14.94	56	45.6	34.5	1.2	18.7	1.09	52	0	0	1,561	1561	195	1756
3/23/2017	9.4	37.2	8.7	44.7	14.55	58	47.3	36.5	1.1	15.1	0.97	52.6	0	0	1,493	1493	195	1688
3/24/2017	10.4	35	8.5	46.1	13.47	73	47.8	35.4	1	15.8	0.85	66.6	0	0	1,522	1522	207	1729
3/25/2017													0	0	1,463	1463	218	1681
3/26/2017													0	0	1,454	1454	215	1670
3/27/2017	11.2	37.3	7.9	43.6	14.39	73	48.3	35.6	0.7	15.4	1.35	63.4	0	0	1,451	1451	214	1666
3/28/2017	10	37.1	8.1	44.8	14.94	71	46.2	35.4	0.9	17.5	1.18	66.3	0	0	1,454	1454	203	1657
3/29/2017	10.5	36.2	8	45.3	13.66	68	48.6	36.9	0.6	13.9	0.68	62.3	0	0	1,468	1468	181	1649
3/30/2017	11.6	39.7	6.9	41.8	14.08	76	52.5	37.5	0.4	9.6	0.77	67.7	0	0	1,480	1480	178	1658
3/31/2017	10.4	36.3	8.4	44.9	14.15	64	48.5	36	0.7	14.8	0.66	60.5	0	0	1,455	1455	170	1625
4/1/2017													0	0	1,488	1488	177	1664
4/2/2017													0	0	1,500	1500	180	1679
4/3/2017	11.3	37.8	7.6	43.3	13.47	77.1	52	37.8	0.3	9.9	0.79	70.3	0	0	1,484	1484	177	1661
4/4/2017	10.5	36.8	8.1	44.6	14.02	73	50.3	39.3	0.6	9.8	0.81	81.2	0	0	1,474	1474	176	1650
4/5/2017	11.2	38.5	7.5	42.8	14.45	71	52.1	37.7	0.3	9.9	0.86	66.1	0	0	1,481	1481	174	1655
4/6/2017	10.5	33.5	8.5	47.5	13.53	60	47.6	36	0.9	15.5	0.95	56.5	0	0	1,523	1523	172	1696
4/7/2017	9.7	33.5	8.9	47.9	14.82	61	47.3	37.1	0.7	14.9	0.96	59.6	0	0	1,581	1581	183	1765
4/8/2017													0	0	1,576	1576	192	1768
4/9/2017													0	0	1,603	1603	192	1795
4/10/2017	10	34.7	8.5	46.8	14.27	85	48.8	35.2	0.6	15.4	0.96	77.1	0	0	1,640	1640	189	1829
4/11/2017	9.3	33.2	9.2	48.3	16.29	70	48.9	37.1	0.6	13.4	0.95	86	0	0	1,631	1631	187	1819
4/12/2017	9.5	32	9	49.5	13.53	68	48.6	34.9	0.6	15.9	0.9	63.7	0	0	1,655	1655	187	1843
4/13/2017	9.9	33.7	8.7	47.7	15.13	80	49	36.2	0.6	14.2	0.77	71.6	0	0	1,637	1637	188	1825
4/14/2017	9.8	34.2	8.4	47.6	14.45	87	49.3	36.5	0.7	13.5	0.87	77.4	0	0	1,702	1702	187	1889
4/15/2017													0	0	1,731	1731	187	1918
4/16/2017													0	0	1,704	1704	182	1886
4/17/2017	8.4	27.7	10.2	53.7	15.74	80	48.5	37	0.5	14	0.95	70.5	0	0	1,606	1606	183	1789
4/18/2017	9.9	34.6	8.3	47.2	14.45	77	49.5	37.7	0.6	12.2	0.87	98.2	0	0	1,469	1469	186	1655
4/19/2017	9.4	38.7	7.9	44	12.43	83	49.7	37.9	0.4	12	0.87	76.8	0	0	1,486	1486	188	1673
4/20/2017	9.6	38.5	7.9	44	14.25	89	50.1	38.3	0.5	11.1	0.95	81.9	0	0	1,463	1463	185	1648
4/21/2017	9.3	38	8.2	44.5	13.66	76	49.1	37.1	0.6	13.2	0.89	66.8	0	0	1,418	1418	179	1597
4/22/2017													0	0	1,412	1412	182	1593
4/23/2017													0	0	1,431	1431	186	1617
4/24/2017	12.9	36.2	7.4	43.5	13.47	71	53.9	37.2	0.4	8.5	0.87	69.1	0	0	1,440	1440	189	1629
4/25/2017	10.7	40.4	6.6	42.3	15.01	111	50.6	40	0.4	9	0.84	98.8	0	0	1,370	1370	195	1565
4/26/2017	10.2	39	7.4	43.4	13.4	67.2	50.9	38.8	0.3	10	0.93	74.9	0	0	1,416	1416	192	1608
4/27/2017	9.3	37.3	8.8	44.6	14.21	65	49.7	36.6	0.5	13.2	0.81	60.1	0	0	1,430	1430	188	1618

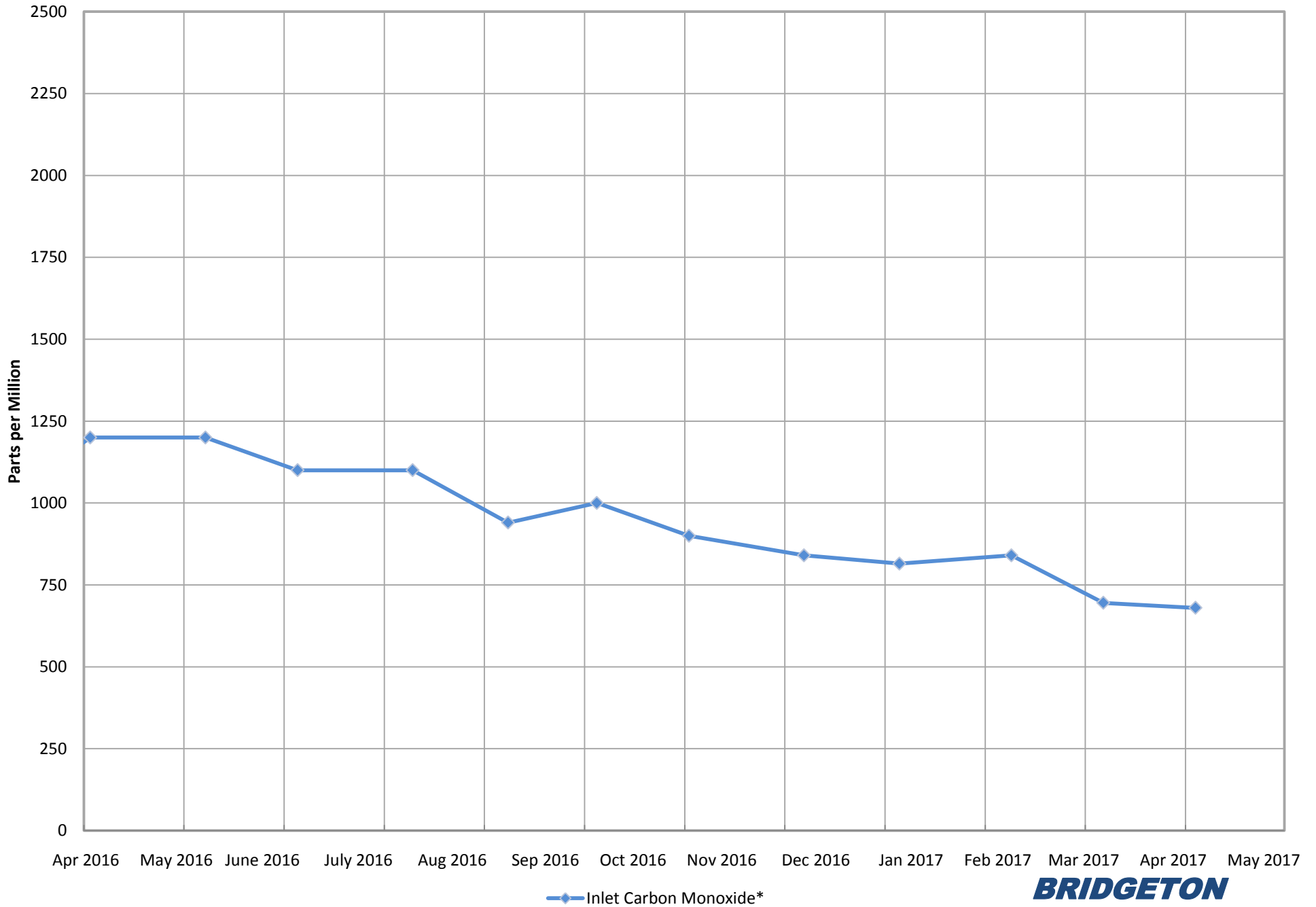
Date	South Quarry						North Quarry						Flare Sta #2 FL-100	Flare Sta #3 FL-120	Flare Sta #1 FL-140	SQ Flare Station Total Utility Flare Flow	NQ Utility Flare Flow (scfm)	Total Flow
	CH4	CO2	O2	Bal.	Press./Vac.	Gas Inlet Temp (°F)	CH4	CO2	O2	Bal.	Press./V ac.	Gas Inlet Temp (°F)	Flow (scfm)	Flow (scfm)	Flow (scfm)	Flow (scfm)	Flow (scfm)	scfm
4/28/2017	9.9	37.9	8.3	43.9	13.53	75	50.2	37.3	0.3	12.2	0.92	63.3	0	0	1,453	1453	180	1633
4/29/2017													0	0	1,497	1497	124	1620
4/30/2017													0	0	1,622	1622	0	1622

# South Quarry Inlet Gas and Temperature\*



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

# South Quarry Inlet Carbon Monoxide\*

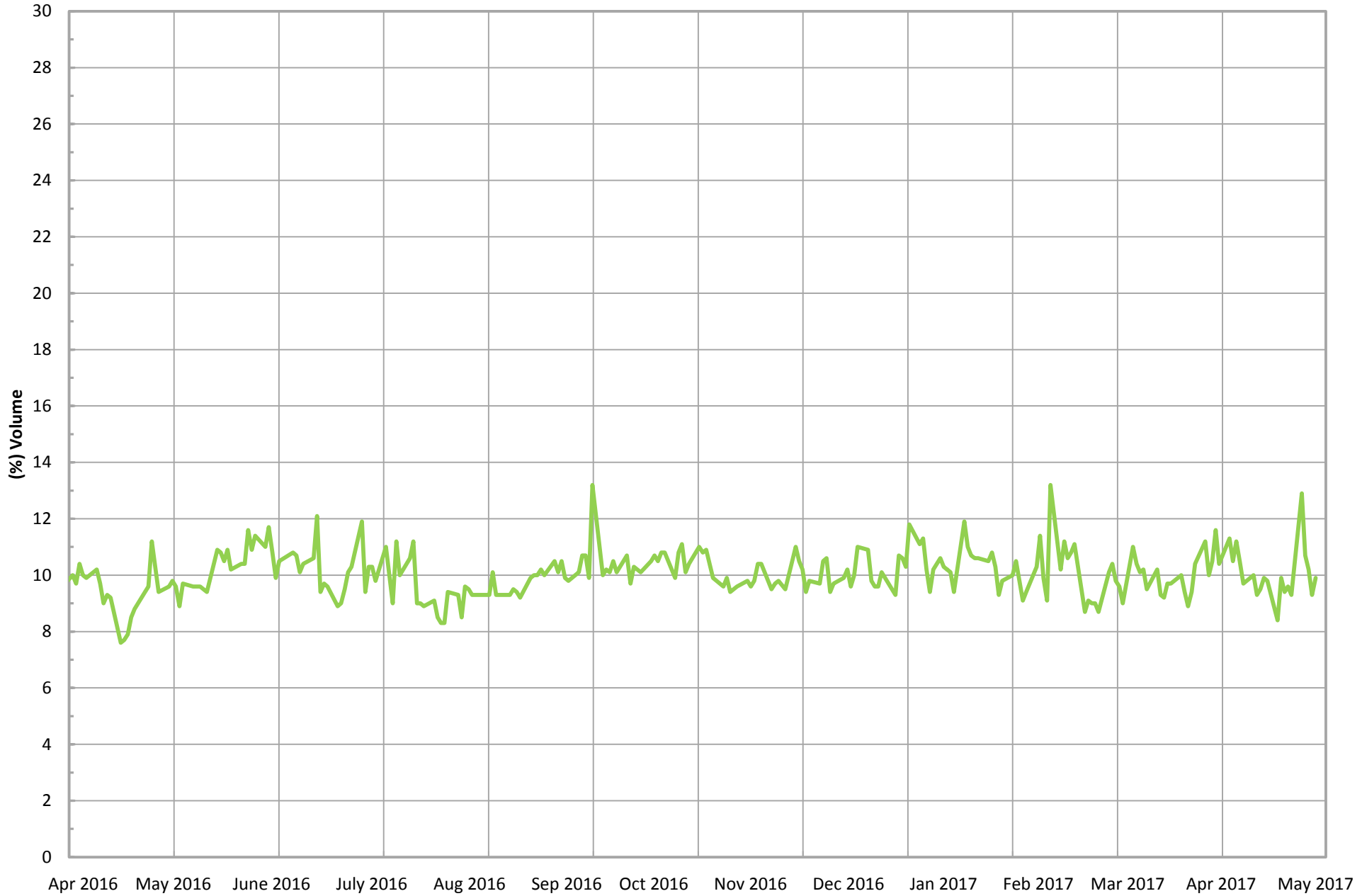


—◆— Inlet Carbon Monoxide\*

\*Data collected from Laboratory Reports for the South Quarry.

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# South Quarry Inlet Methane (Field Data)\*

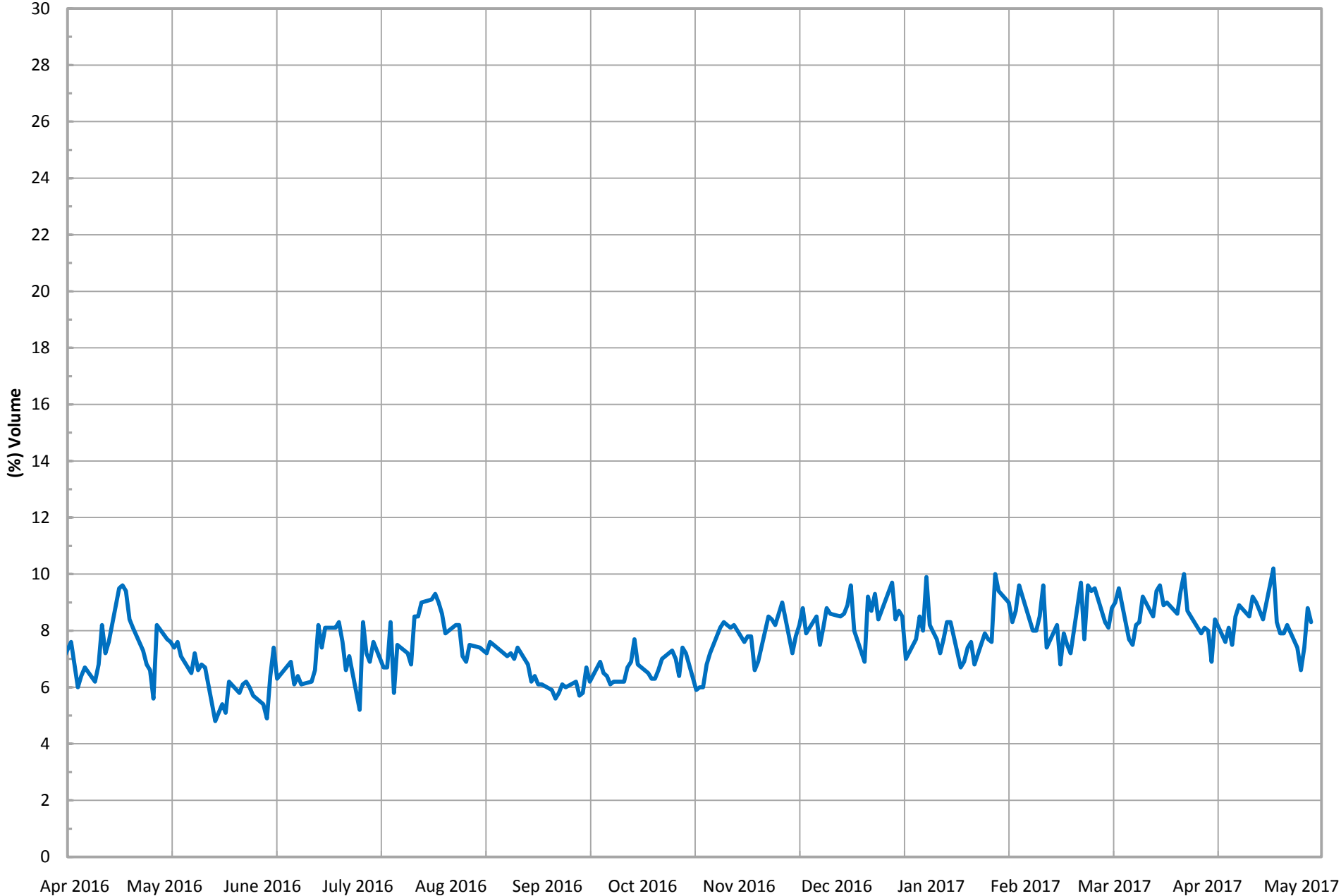


\*Gas data collected from field monitoring data in the South Quarry.

— Combined Inlet Methane (Field Data)\*



# South Quarry Inlet Oxygen (Field Data)\*

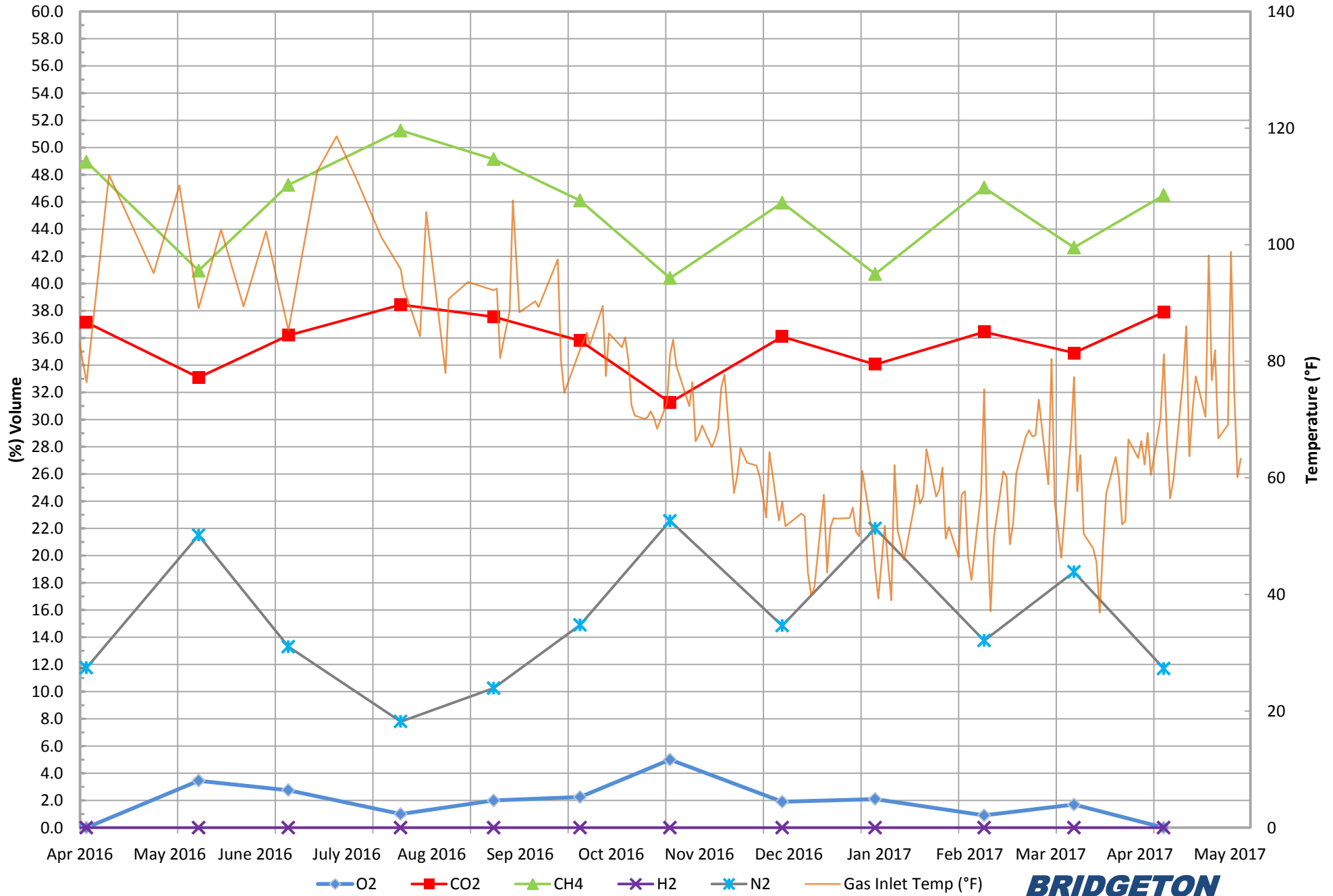


\*Gas data collected from field monitoring data in the South Quarry.

— Combined Inlet Oxygen (Field Data)\*



# North Quarry Inlet Gas and Temperature\*

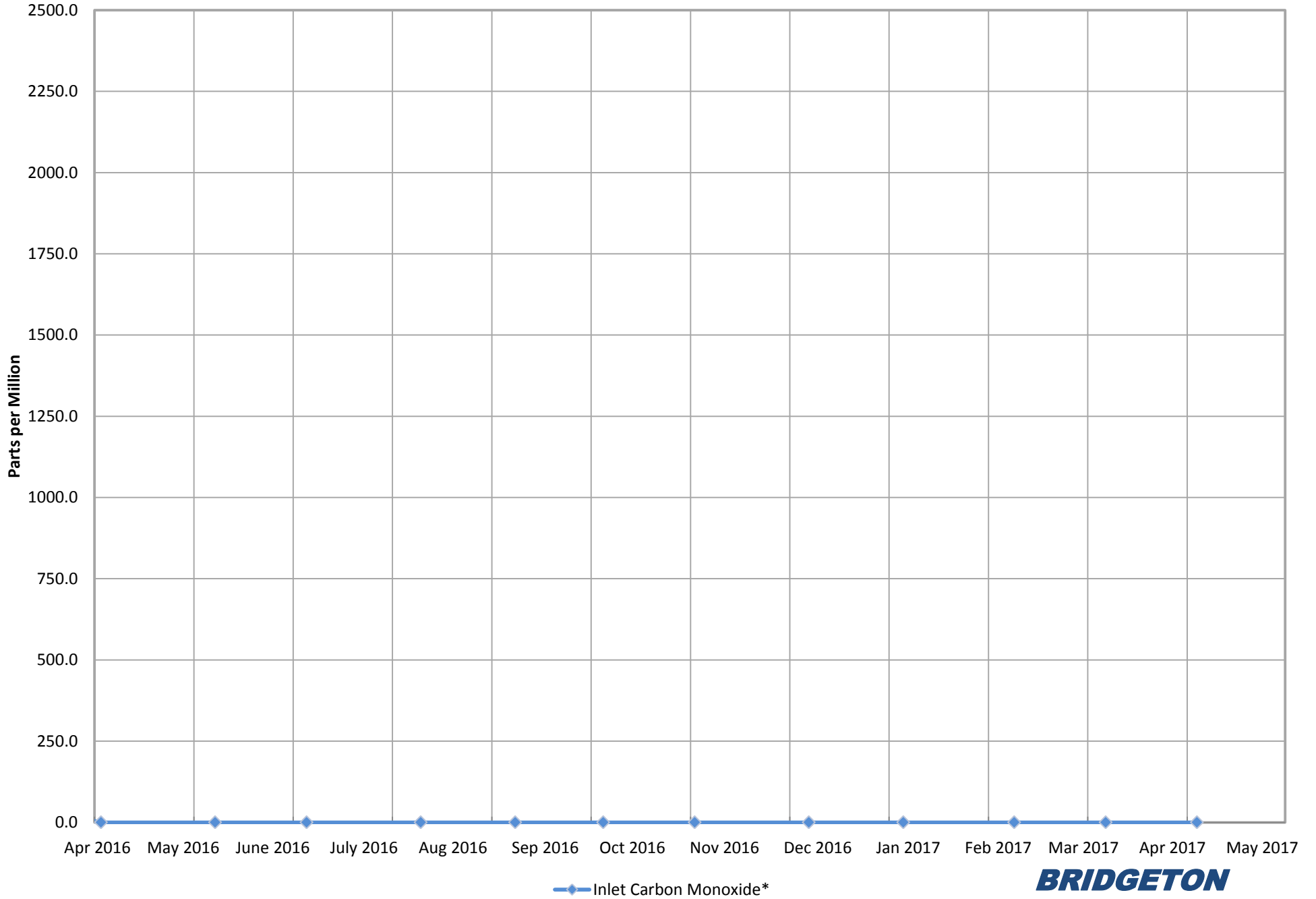


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\*Gas data collected from Laboratory Reports. Temperature data collected from field readings.



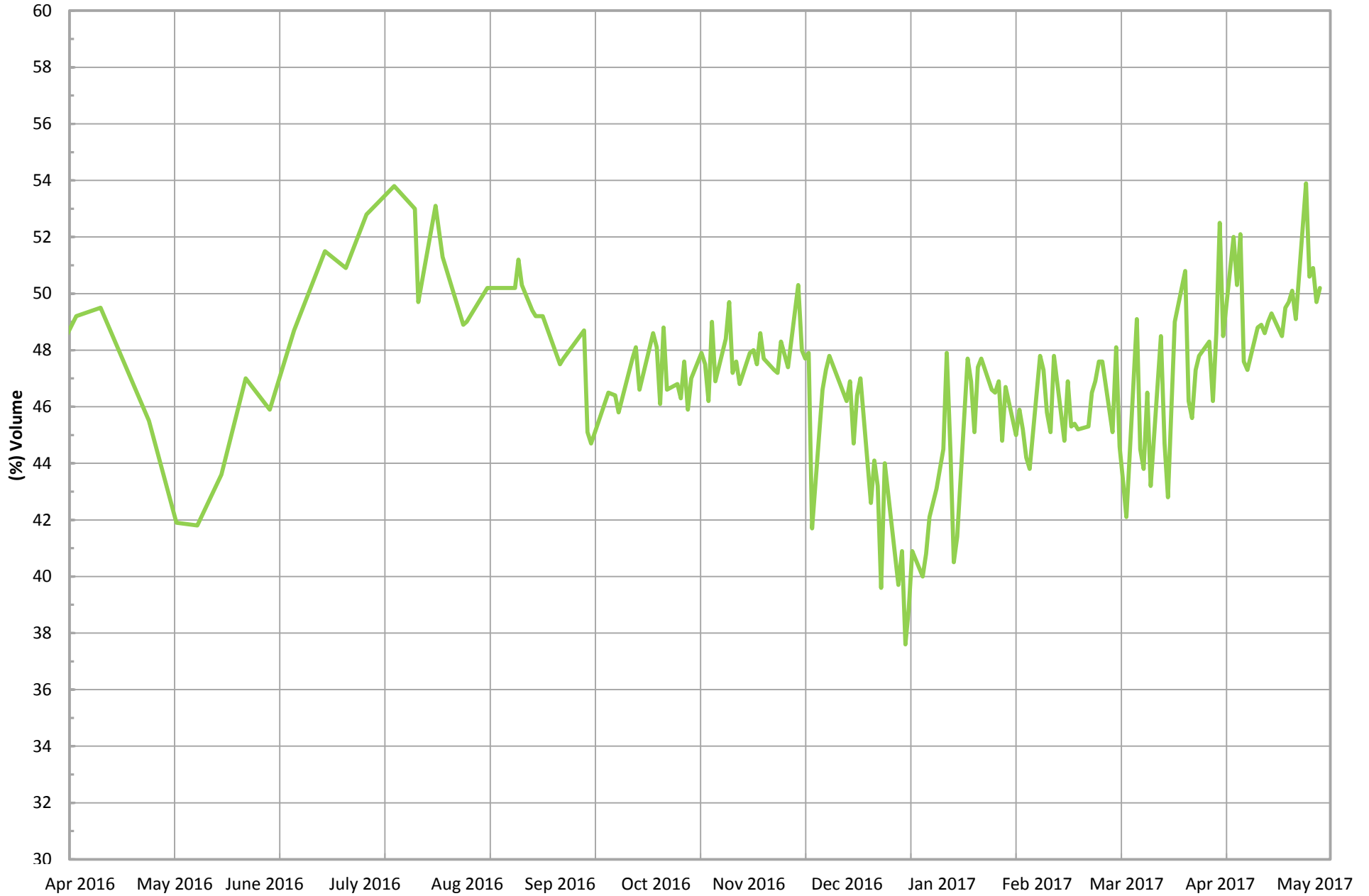
# North Quarry Inlet Carbon Monoxide\*



\*Data collected from Laboratory Reports for the North Quarry.

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# North Quarry Inlet Methane (Field Data)\*

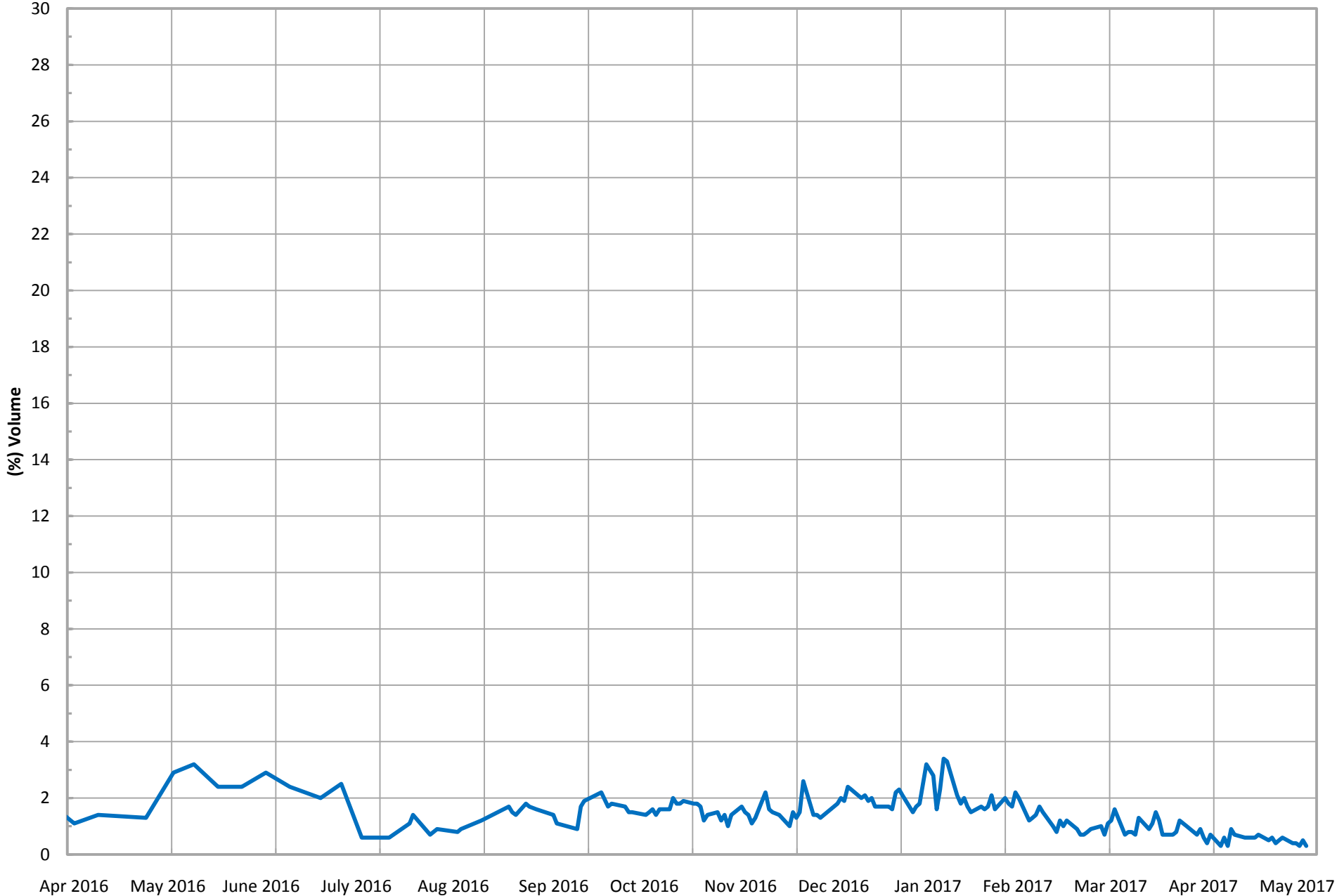


\*Gas data collected from field monitoring data in the North Quarry.

— Combined Inlet Methane (Field Data)\*

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# North Quarry Inlet Oxygen (Field Data)\*

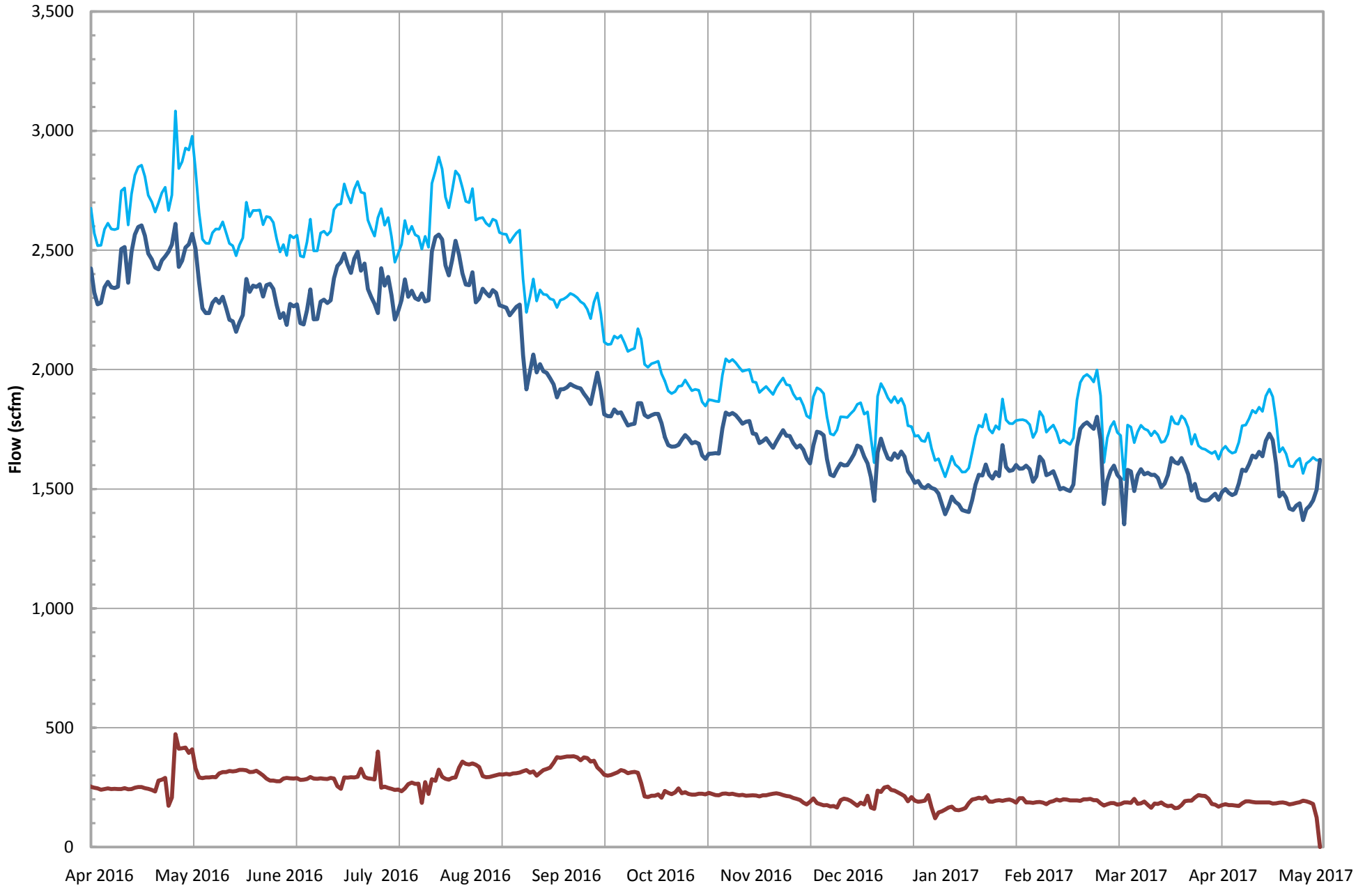


\*Gas data collected from field monitoring data in the North Quarry.

— Combined Inlet Oxygen (Field Data)\*



# 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.

- Total Combined Flow (scfm)\*
- SQ Flare Station Total Utility Flare Flow
- NQ Utility Flare

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