

Daily Flare Monitoring Data - Bridgeton Landfill
July 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*** | |
| 7/1/2017 | 0 | 0 | 1,516 | 231 | 1,747 |
| 7/2/2017 | 0 | 0 | 1,533 | 234 | 1,767 |
| 7/3/2017 | 0 | 0 | 1,544 | 235 | 1,779 |
| 7/4/2017 | 0 | 0 | 1,520 | 232 | 1,752 |
| 7/5/2017 | 0 | 0 | 1,482 | 230 | 1,712 |
| 7/6/2017 | 0 | 0 | 1,502 | 232 | 1,734 |
| 7/7/2017 | 0 | 0 | 1,499 | 232 | 1,730 |
| 7/8/2017 | 0 | 0 | 1,501 | 231 | 1,732 |
| 7/9/2017 | 0 | 0 | 1,518 | 235 | 1,754 |
| 7/10/2017 | 0 | 0 | 1,504 | 234 | 1,738 |
| 7/11/2017 | 0 | 0 | 1,507 | 239 | 1,746 |
| 7/12/2017 | 0 | 0 | 1,505 | 234 | 1,738 |
| 7/13/2017 | 0 | 0 | 1,486 | 228 | 1,714 |
| 7/14/2017 | 0 | 0 | 1,470 | 229 | 1,699 |
| 7/15/2017 | 0 | 0 | 1,483 | 231 | 1,714 |
| 7/16/2017 | 0 | 0 | 1,491 | 230 | 1,720 |
| 7/17/2017 | 0 | 0 | 1,488 | 225 | 1,713 |
| 7/18/2017 | 0 | 0 | 1,503 | 223 | 1,726 |
| 7/19/2017 | 330 | 411 | 754 | 229 | 1,724 |
| 7/20/2017 | 0 | 1,595 | 0 | 162 | 1,757 |
| 7/21/2017 | 0 | 1,562 | 0 | 214 | 1,776 |
| 7/22/2017 | 0 | 1,523 | 0 | 209 | 1,732 |
| 7/23/2017 | 0 | 1,338 | 0 | 171 | 1,509 |
| 7/24/2017 | 0 | 1,474 | 0 | 200 | 1,673 |
| 7/25/2017 | 0 | 1,471 | 0 | 200 | 1,672 |
| 7/26/2017 | 0 | 1,480 | 0 | 200 | 1,680 |
| 7/27/2017 | 0 | 1,389 | 0 | 193 | 1,582 |
| 7/28/2017 | 0 | 1,356 | 0 | 194 | 1,550 |
| 7/29/2017 | 0 | 1,370 | 0 | 186 | 1,557 |
| 7/30/2017 | 0 | 1,381 | 0 | 177 | 1,559 |
| 7/31/2017 | 0 | 1,285 | 0 | 185 | 1,470 |
| AVERAGE | 11 | 569 | 897 | 216 | 1,692 |

* 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.

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 |
| 5/11/2017 | 14.5 | 34.2 | 7.8 | 33.2 | 9.5 | 525 | Gas concentrations based on average of Blower Outlet A and Blower Outlet B |
| 6/6/2017 | 9.7 | 32.9 | 8.5 | 38.5 | 9.3 | 540 | Gas concentrations based on average of Blower Outlet A and Blower Outlet B |
| 7/6/2017 | 11.1 | 35.2 | 6.7 | 35.0 | 10.0 | 610 | Gas concentrations based on average of Blower Outlet A and Blower Outlet B |
| 8/2/2017 | 12.8 | 37.6 | 6.7 | 30.9 | 10.7 | 590 | 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 |
| 5/16/2017 | 45.9 | 33.5 | 1.9 | 15.5 | ND | ND | Gas concentrations based on average of NQ EP14 A and EP14 B |
| 6/6/2017 | 43.4 | 34.3 | 2.8 | 18.3 | ND | ND | Gas concentrations based on average of NQ EP14 A and EP14 B |
| 7/6/2017 | 45.5 | 34.6 | 2.7 | 16.1 | ND | ND | Gas concentrations based on average of NQ EP14 A and EP14 B |
| 8/2/2017 | 49.4 | 37.2 | 1.8 | 10.5 | 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) | |
| 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 |
| 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 |
| 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 |

| 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) | |
| 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 |
| 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 |

| 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) | |
| 10/31/2016 | 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 |
| 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 |

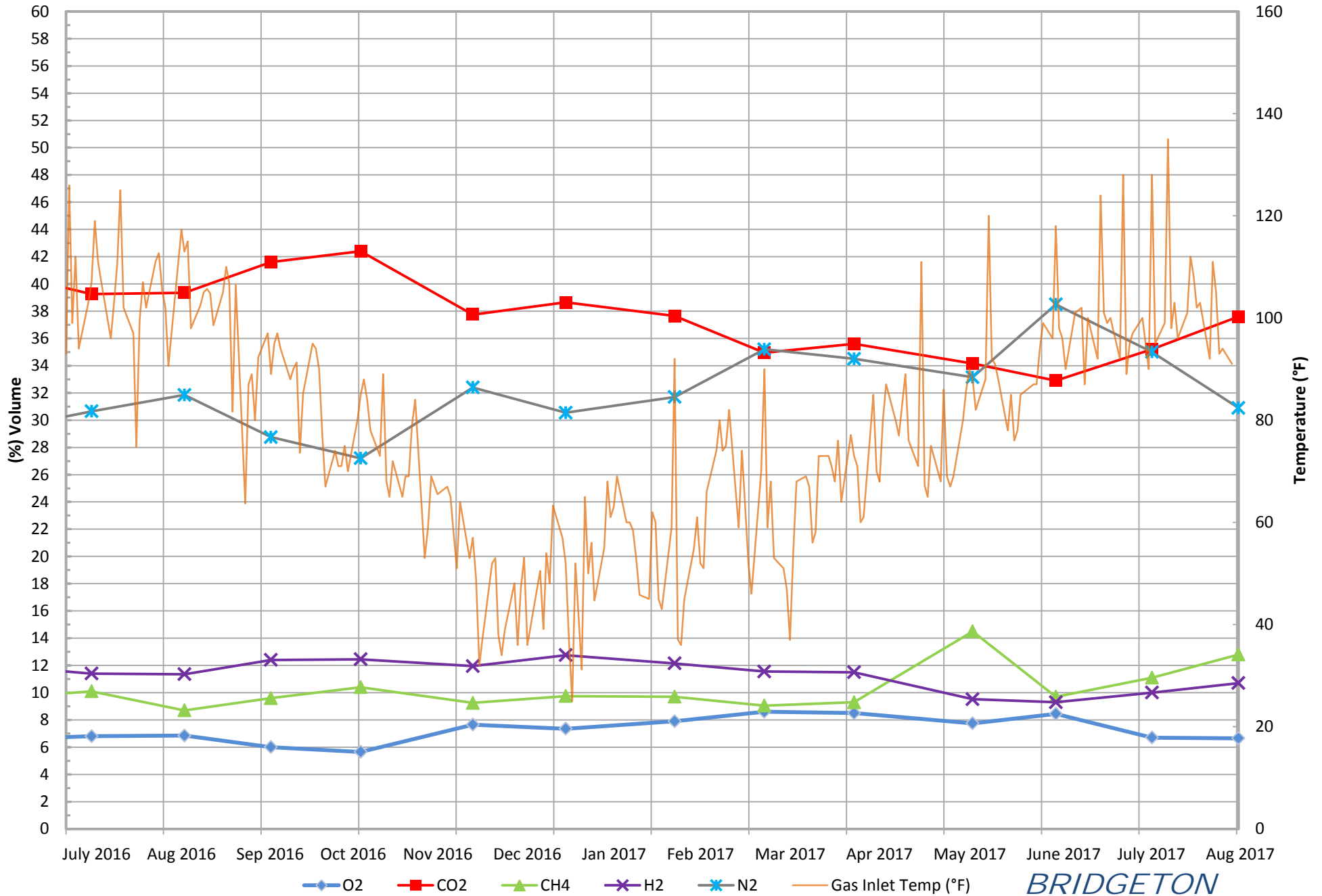
| Date | South Quarry | | | | | | North Quarry | | | | | | Flare Sta #2 FL-100 | Flare Sta #3 FL-120 | Flare Sta #1 FL-140 | SQ Flare Station Total Utility Flare Flow | NQ Utility Flare Flow (scfm) | Total Flow scfm |
|------------|--------------|------|-----|------|-------------|---------------------|--------------|------|-----|------|--------------|---------------------|------------------------|------------------------|------------------------|--|---------------------------------|--------------------|
| | 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) | |
| 12/31/2016 | 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 |
| 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 | 1586 | 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 | 1598 | 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 | 1583 | 1583 | 187 | 1770 |
| 2/4/2017 | | | | | | | | | | | | | 0 | 0 | 1531 | 1531 | 185 | 1716 |
| 2/5/2017 | | | | | | | | | | | | | 0 | 0 | 1553 | 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 | 1635 | 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 | 1617 | 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 | 1558 | 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 | 1564 | 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 | 1575 | 1575 | 193 | 1768 |
| 2/11/2017 | | | | | | | | | | | | | 0 | 0 | 1539 | 1539 | 200 | 1739 |
| 2/12/2017 | | | | | | | | | | | | | 0 | 0 | 1499 | 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 | 1505 | 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 | 1497 | 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 | 1491 | 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 | 1518 | 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 | 1677 | 1677 | 196 | 1873 |
| 2/18/2017 | | | | | | | | | | | | | 0 | 0 | 1752 | 1752 | 194 | 1946 |
| 2/19/2017 | | | | | | | | | | | | | 0 | 0 | 1770 | 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 | 1779 | 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 | 1766 | 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 | 1752 | 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 | 1802 | 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 | 1707 | 1707 | 184 | 1891 |
| 2/25/2017 | | | | | | | | | | | | | 0 | 0 | 1437 | 1437 | 174 | 1611 |
| 2/26/2017 | | | | | | | | | | | | | 0 | 0 | 1535 | 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 | 1576 | 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 | 1598 | 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 | 1559 | 1559 | 178 | 1737 |

| 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) | |
| 3/2/2017 | 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 |
| 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 |
| 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 |
| 5/1/2017 | 16.1 | 36.1 | 6.8 | 41 | 15.98 | 68 | | | | | | | 0 | 0 | 1,596 | 1596 | 0 | 1596 |

| 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) | |
| 5/2/2017 | 15.3 | 39.4 | 6.4 | 38.9 | 17.51 | 86 | | | | | | | 0 | 0 | 1,635 | 1635 | 0 | 1635 |
| 5/3/2017 | 14.1 | 34.8 | 7.6 | 43.5 | 13.15 | 69 | | | | | | | 0 | 0 | 1,630 | 1630 | 0 | 1630 |
| 5/4/2017 | 16.1 | 38 | 6.6 | 39.3 | 15.64 | 67 | | | | | | | 0 | 0 | 1,588 | 1588 | 0 | 1588 |
| 5/5/2017 | 16.9 | 37.1 | 6.3 | 39.7 | 15.37 | 69 | | | | | | | 0 | 0 | 1,654 | 1654 | 0 | 1654 |
| 5/6/2017 | | | | | | | | | | | | | 0 | 0 | 1,668 | 1668 | 0 | 1668 |
| 5/7/2017 | | | | | | | | | | | | | 0 | 0 | 1,686 | 1686 | 0 | 1686 |
| 5/8/2017 | 16 | 35.4 | 6.8 | 41.8 | 14.27 | 80 | | | | | | | 0 | 0 | 1,716 | 1716 | 0 | 1716 |
| 5/9/2017 | 13.6 | 36.7 | 6.9 | 42.8 | 13.96 | 86 | | | | | | | 0 | 0 | 1,733 | 1733 | 0 | 1733 |
| 5/10/2017 | 16.5 | 37 | 6.4 | 40.1 | 17.58 | 90 | | | | | | | 0 | 0 | 1,733 | 1733 | 0 | 1733 |
| 5/11/2017 | 16.2 | 34.3 | 6.8 | 42.7 | 13.29 | 88 | | | | | | | 0 | 0 | 1,608 | 1608 | 81 | 1689 |
| 5/12/2017 | 11.2 | 36.2 | 8 | 44.6 | 14.21 | 82 | 50.6 | 37.2 | 0 | 12.2 | 1.36 | 78.9 | 0 | 0 | 1,507 | 1507 | 236 | 1743 |
| 5/13/2017 | | | | | | | | | | | | | 0 | 0 | 1,526 | 1526 | 227 | 1753 |
| 5/14/2017 | | | | | | | | | | | | | 0 | 0 | 1,511 | 1511 | 226 | 1737 |
| 5/15/2017 | 11.5 | 36.7 | 7.4 | 44.4 | 14.15 | 88 | 49.1 | 37.7 | 0.2 | 13 | 1.15 | 81.7 | 0 | 0 | 1,533 | 1533 | 228 | 1761 |
| 5/16/2017 | 12.2 | 37 | 6.4 | 44.4 | 14.57 | 120 | 47.5 | 38.6 | 0.7 | 13.2 | 1.34 | 88.1 | 0 | 0 | 1,513 | 1513 | 257 | 1770 |
| 5/17/2017 | 11.4 | 37.1 | 7.1 | 44.4 | 13.66 | 92 | 31.9 | 23.9 | 8.1 | 36.1 | 2.61 | 84.9 | 0 | 0 | 1,465 | 1465 | 269 | 1734 |
| 5/18/2017 | 11.7 | 37.2 | 7 | 44.1 | 13.66 | 91 | 48.2 | 36.3 | 0.4 | 15.1 | 1.33 | 85.7 | 0 | 0 | 1,500 | 1500 | 230 | 1730 |
| 5/19/2017 | 13.5 | 43.1 | 4.6 | 38.8 | 19.6 | 88 | 51.2 | 38.1 | 0 | 10.7 | 1.33 | 82.1 | 121 | 92 | 1,198 | 1411 | 190 | 1601 |
| 5/20/2017 | | | | | | | | | | | | | 0 | 0 | 1,512 | 1512 | 231 | 1743 |
| 5/21/2017 | | | | | | | | | | | | | 0 | 0 | 1,476 | 1476 | 229 | 1705 |
| 5/22/2017 | 10.8 | 34.7 | 7.6 | 46.9 | 17.76 | 78 | 47.3 | 33.4 | 0.8 | 18.5 | 1.61 | 84.9 | 0 | 0 | 1,510 | 1510 | 204 | 1714 |
| 5/23/2017 | 11 | 35.8 | 7.3 | 45.9 | 14.57 | 85 | 48.6 | 36.9 | 0.5 | 14 | 1.77 | 78.9 | 0 | 0 | 1,491 | 1491 | 244 | 1735 |
| 5/24/2017 | 11.6 | 35.5 | 7.2 | 45.7 | 13.29 | 76 | 49.6 | 35.9 | 0.6 | 13.9 | 1.77 | 73.4 | 0 | 0 | 1,474 | 1474 | 240 | 1714 |
| 5/25/2017 | 11.1 | 35 | 7.4 | 46.5 | 13.66 | 78 | 47.6 | 35.3 | 0.6 | 16.5 | 1.93 | 74.9 | 0 | 0 | 1,505 | 1505 | 228 | 1733 |
| 5/26/2017 | 11.1 | 34.9 | 7.5 | 46.5 | 13.84 | 85 | 47.5 | 35.4 | 0.7 | 16.4 | 1.81 | 78.7 | 0 | 0 | 1,512 | 1512 | 239 | 1751 |
| 5/27/2017 | | | | | | | | | | | | | 0 | 0 | 1,469 | 1469 | 240 | 1709 |
| 5/28/2017 | | | | | | | | | | | | | 0 | 0 | 1,470 | 1470 | 240 | 1710 |
| 5/29/2017 | | | | | | | | | | | | | 0 | 0 | 1,459 | 1459 | 241 | 1700 |
| 5/30/2017 | 11.3 | 33.4 | 7.5 | 47.8 | 13.35 | 87 | | | | | | | 0 | 0 | 1,504 | 1504 | 206 | 1710 |
| 5/31/2017 | 11.4 | 38 | 7.6 | 43 | 13.87 | 87 | 47.9 | 36.4 | 0.7 | 15 | 1.76 | 82.2 | 0 | 0 | 1,533 | 1533 | 211 | 1744 |
| 6/1/2017 | 11 | 37.8 | 7.2 | 44 | 14.55 | 94 | 48.1 | 36.7 | 0.9 | 14.3 | 1.56 | 86 | 0 | 0 | 1,531 | 1531 | 260 | 1791 |
| 6/2/2017 | 10.3 | 37.9 | 7.3 | 44.5 | 12.85 | 99 | 52.6 | 36.7 | 1 | 9.7 | 1.87 | 114.7 | 0 | 0 | 1,560 | 1560 | 254 | 1815 |
| 6/3/2017 | | | | | | | | | | | | | 0 | 0 | 1,533 | 1533 | 245 | 1778 |
| 6/4/2017 | | | | | | | | | | | | | 0 | 0 | 1,458 | 1458 | 242 | 1700 |
| 6/5/2017 | 10.3 | 38.1 | 7.5 | 44.1 | 13.23 | 96 | 47.6 | 36.3 | 0.9 | 15.2 | 1.91 | 88 | 0 | 0 | 1,523 | 1523 | 240 | 1764 |
| 6/6/2017 | 11.1 | 35.8 | 7.1 | 46 | 14.45 | 118 | | | | | | | 0 | 0 | 1,482 | 1482 | 213 | 1695 |
| 6/7/2017 | 11.2 | 36 | 7.3 | 45.5 | 12.12 | 98 | 44.8 | 35 | 1.3 | 18.9 | 1.46 | 106.6 | 0 | 0 | 1,476 | 1476 | 199 | 1675 |
| 6/8/2017 | 11.2 | 38.3 | 6.9 | 43.6 | 12.68 | 96 | 47.6 | 36.5 | 0.8 | 15.1 | 1.67 | 107.6 | 0 | 0 | 1,531 | 1531 | 202 | 1733 |
| 6/9/2017 | 14.2 | 35.8 | 7.9 | 42.1 | 15.64 | 90 | 55.2 | 36.2 | 0.9 | 7.7 | 1.31 | 86.1 | 0 | 0 | 1,560 | 1560 | 213 | 1773 |
| 6/10/2017 | | | | | | | | | | | | | 0 | 0 | 1,564 | 1564 | 210 | 1773 |
| 6/11/2017 | | | | | | | | | | | | | 0 | 0 | 1,572 | 1572 | 208 | 1780 |
| 6/12/2017 | 9.7 | 36.1 | 8.1 | 46.1 | 14.08 | 101 | 46.5 | 36.3 | 0.9 | 16.3 | 1.5 | 95.8 | 0 | 0 | 1,545 | 1545 | 205 | 1751 |
| 6/13/2017 | | | | | | | | | | | | | 0 | 0 | 1,518 | 1518 | 211 | 1729 |
| 6/14/2017 | 11.1 | 36.7 | 7.2 | 45 | 13.23 | 102 | 46.4 | 35.9 | 1.4 | 16.3 | 1.76 | 95.5 | 0 | 0 | 1,402 | 1402 | 220 | 1622 |
| 6/15/2017 | 10.1 | 36.4 | 8 | 45.5 | 12.52 | 87 | 46.9 | 35.6 | 0.8 | 16.7 | 1.51 | 84.5 | 0 | 0 | 1,520 | 1520 | 234 | 1753 |
| 6/16/2017 | 10.8 | 37.9 | 6.9 | 44.4 | 14.67 | 100 | 47.5 | 36.4 | 1 | 15.1 | 1.91 | 95.6 | 0 | 0 | 1,518 | 1518 | 231 | 1749 |
| 6/17/2017 | | | | | | | | | | | | | 0 | 0 | 1,515 | 1515 | 228 | 1743 |
| 6/18/2017 | | | | | | | | | | | | | 0 | 0 | 1,485 | 1485 | 197 | 1682 |
| 6/19/2017 | 10.6 | 37.4 | 7.4 | 44.6 | 14.8 | 92 | 46.8 | 36.2 | 1 | 16 | 1.78 | 89.4 | 0 | 0 | 1,482 | 1482 | 191 | 1672 |
| 6/20/2017 | 11.8 | 37.8 | 6.5 | 43.9 | 14.76 | 124 | 48.3 | 36.7 | 1.1 | 13.9 | 1.7 | 113.2 | 0 | 0 | 1,489 | 1489 | 227 | 1715 |
| 6/21/2017 | 11.8 | 37.3 | 6.8 | 44.1 | 13.17 | 101 | 48.4 | 35.8 | 0.9 | 14.9 | 1.66 | 94.4 | 0 | 0 | 1,518 | 1518 | 231 | 1749 |
| 6/22/2017 | 13.3 | 38 | 7 | 41.7 | 14.21 | 99 | 52.2 | 36.8 | 0.8 | 10.2 | 1.44 | 91 | 0 | 0 | 1,519 | 1519 | 228 | 1748 |
| 6/23/2017 | 11 | 38.6 | 6.9 | 43.5 | 15.05 | 100 | 49 | 37.5 | 0.7 | 12.8 | 1.88 | 91.1 | 0 | 0 | 1,507 | 1507 | 224 | 1731 |
| 6/24/2017 | | | | | | | | | | | | | 0 | 0 | 1,494 | 1494 | 223 | 1717 |
| 6/25/2017 | | | | | | | | | | | | | 0 | 0 | 1,506 | 1506 | 228 | 1733 |
| 6/26/2017 | 11 | 35.3 | 7.3 | 46.4 | 14.88 | 92 | 47.7 | 35.9 | 0.9 | 15.5 | 1.59 | 91.8 | 0 | 0 | 1,496 | 1496 | 228 | 1724 |
| 6/27/2017 | 11.1 | 36.1 | 7.1 | 45.7 | 15.62 | 128 | 48.5 | 37.9 | 0.9 | 12.7 | 1.8 | 113.3 | 0 | 0 | 1,518 | 1518 | 234 | 1752 |
| 6/28/2017 | 12.4 | 35.5 | 7.3 | 44.8 | 16.35 | 89 | 48.4 | 36.2 | 0.7 | 14.7 | 1.52 | 83.4 | 0 | 0 | 1,511 | 1511 | 208 | 1720 |
| 6/29/2017 | 11 | 37.6 | 7.1 | 44.3 | 15.73 | 95 | 48.6 | 36.6 | 0.7 | 14.1 | 1.74 | 88.6 | 0 | 0 | 1,505 | 1505 | 229 | 1734 |
| 6/30/2017 | 10.5 | 35.8 | 7.5 | 46.2 | 13.15 | 97 | 48.3 | 36.4 | 0.8 | 14.5 | 1.68 | 90.6 | 0 | 0 | 1,490 | 1490 | 229 | 1718 |
| 7/1/2017 | | | | | | | | | | | | | 0 | 0 | 1,516 | 1516 | 231 | 1747 |

| 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) | |
| 7/2/2017 | | | | | | | | | | | | | 0 | 0 | 1,533 | 1533 | 234 | 1767 |
| 7/3/2017 | 11.1 | 37 | 7.3 | 44.6 | 15.18 | 100 | 48.9 | 36.8 | 1 | 13.3 | 1.51 | 94.6 | 0 | 0 | 1,544 | 1544 | 235 | 1779 |
| 7/4/2017 | | | | | | | | | | | | | 0 | 0 | 1,520 | 1520 | 232 | 1752 |
| 7/5/2017 | 10.3 | 35.8 | 7.9 | 46 | 12.81 | 90 | 46.5 | 35.5 | 0.9 | 17.1 | 1.54 | 88.6 | 0 | 0 | 1,482 | 1482 | 230 | 1712 |
| 7/6/2017 | 12 | 37.8 | 6.4 | 43.8 | 13.23 | 128 | 48.7 | 36.8 | 0.8 | 13.7 | 1.75 | 116.9 | 0 | 0 | 1,502 | 1502 | 232 | 1734 |
| 7/7/2017 | 12.1 | 34.5 | 7.2 | 46.2 | 15.25 | 95 | 50.6 | 35.1 | 0.7 | 13.6 | 1.4 | 87.2 | 0 | 0 | 1,499 | 1499 | 232 | 1730 |
| 7/8/2017 | | | | | | | | | | | | | 0 | 0 | 1,501 | 1501 | 231 | 1732 |
| 7/9/2017 | | | | | | | | | | | | | 0 | 0 | 1,518 | 1518 | 235 | 1754 |
| 7/10/2017 | 11.3 | 36.4 | 7.2 | 45.1 | 13.29 | 99 | 48.6 | 36.5 | 0.7 | 14.2 | 1.53 | 91.9 | 0 | 0 | 1,504 | 1504 | 234 | 1738 |
| 7/11/2017 | 12 | 37.7 | 6.4 | 43.9 | 14.82 | 135 | 48.1 | 36.4 | 0.9 | 14.6 | 1.78 | 124.6 | 0 | 0 | 1,507 | 1507 | 239 | 1746 |
| 7/12/2017 | 11.1 | 35.8 | 7.2 | 45.9 | 12.06 | 98 | 48.2 | 35.6 | 0.8 | 15.4 | 1.7 | 90.6 | 0 | 0 | 1,505 | 1505 | 234 | 1738 |
| 7/13/2017 | 11.3 | 36.6 | 7.3 | 44.8 | 11.76 | 103 | 48.2 | 36.1 | 0.9 | 14.8 | 1.69 | 93.2 | 0 | 0 | 1,486 | 1486 | 228 | 1714 |
| 7/14/2017 | 11.5 | 33.7 | 7.2 | 47.6 | 14.82 | 96 | 48.6 | 35.4 | 0.7 | 15.3 | 1.39 | 87.2 | 0 | 0 | 1,470 | 1470 | 229 | 1699 |
| 7/15/2017 | | | | | | | | | | | | | 0 | 0 | 1,483 | 1483 | 231 | 1714 |
| 7/16/2017 | | | | | | | | | | | | | 0 | 0 | 1,491 | 1491 | 230 | 1720 |
| 7/17/2017 | 11.8 | 34.2 | 7 | 47 | 13.35 | 101 | 48.5 | 35.2 | 0.9 | 15.4 | 1.56 | 90.7 | 0 | 0 | 1,488 | 1488 | 225 | 1713 |
| 7/18/2017 | 11.7 | 37.2 | 6.8 | 44.3 | 14.7 | 112 | 48.9 | 35.8 | 1 | 14.3 | 1.73 | 121 | 0 | 0 | 1,503 | 1503 | 223 | 1726 |
| 7/19/2017 | 11.6 | 35.8 | 7.1 | 45.5 | 12 | 108 | 48.5 | 36 | 1 | 14.5 | 1.58 | 97.4 | 330 | 411 | 754 | 1495 | 229 | 1724 |
| 7/20/2017 | 11.4 | 33.4 | 7.6 | 47.6 | 10.35 | 102 | 50.3 | 35.7 | 1.2 | 12.8 | -12.86 | 88.4 | 0 | 1,595 | 0 | 1595 | 162 | 1757 |
| 7/21/2017 | 11.8 | 35.9 | 7.2 | 45.1 | 6.43 | 103 | 49.1 | 35.9 | 0.9 | 14.1 | 1.32 | 99.3 | 0 | 1,562 | 0 | 1562 | 214 | 1776 |
| 7/22/2017 | | | | | | | | | | | | | 0 | 1,523 | 0 | 1523 | 209 | 1732 |
| 7/23/2017 | | | | | | | | | | | | | 0 | 1,338 | 0 | 1338 | 171 | 1509 |
| 7/24/2017 | 11.8 | 34.6 | 7.3 | 46.3 | 14.94 | 92 | 48.4 | 36.2 | 1.1 | 14.3 | 1.35 | 90.6 | 0 | 1,474 | 0 | 1474 | 200 | 1673 |
| 7/25/2017 | 12.4 | 36.6 | 6.9 | 44.1 | 16.29 | 111 | 50.5 | 35.6 | 1.2 | 12.7 | 1.26 | 117.1 | 0 | 1,471 | 0 | 1472 | 200 | 1672 |
| 7/26/2017 | 12.3 | 34 | 7.4 | 46.3 | 16.78 | 105 | 49.5 | 35.5 | 1.1 | 13.9 | 1.27 | 96 | 0 | 1,480 | 0 | 1480 | 200 | 1680 |
| 7/27/2017 | 12.3 | 35.1 | 7.5 | 45.1 | 14.82 | 93 | 50.2 | 35.2 | 1.1 | 13.5 | 1.17 | 83.3 | 0 | 1,389 | 0 | 1389 | 193 | 1582 |
| 7/28/2017 | 12.8 | 35.8 | 7.2 | 44.2 | 15.8 | 94 | 50.5 | 36.9 | 1.1 | 11.5 | 1.03 | 85 | 0 | 1,356 | 0 | 1356 | 194 | 1550 |
| 7/29/2017 | | | | | | | | | | | | | 0 | 1,370 | 0 | 1370 | 186 | 1557 |
| 7/30/2017 | | | | | | | | | | | | | 0 | 1,381 | 0 | 1381 | 177 | 1559 |
| 7/31/2017 | 12.6 | 36.5 | 7.2 | 43.7 | 15.37 | 91 | 49.6 | 35.1 | 1.3 | 14 | 1.14 | 83.2 | 0 | 1,285 | 0 | 1285 | 185 | 1470 |

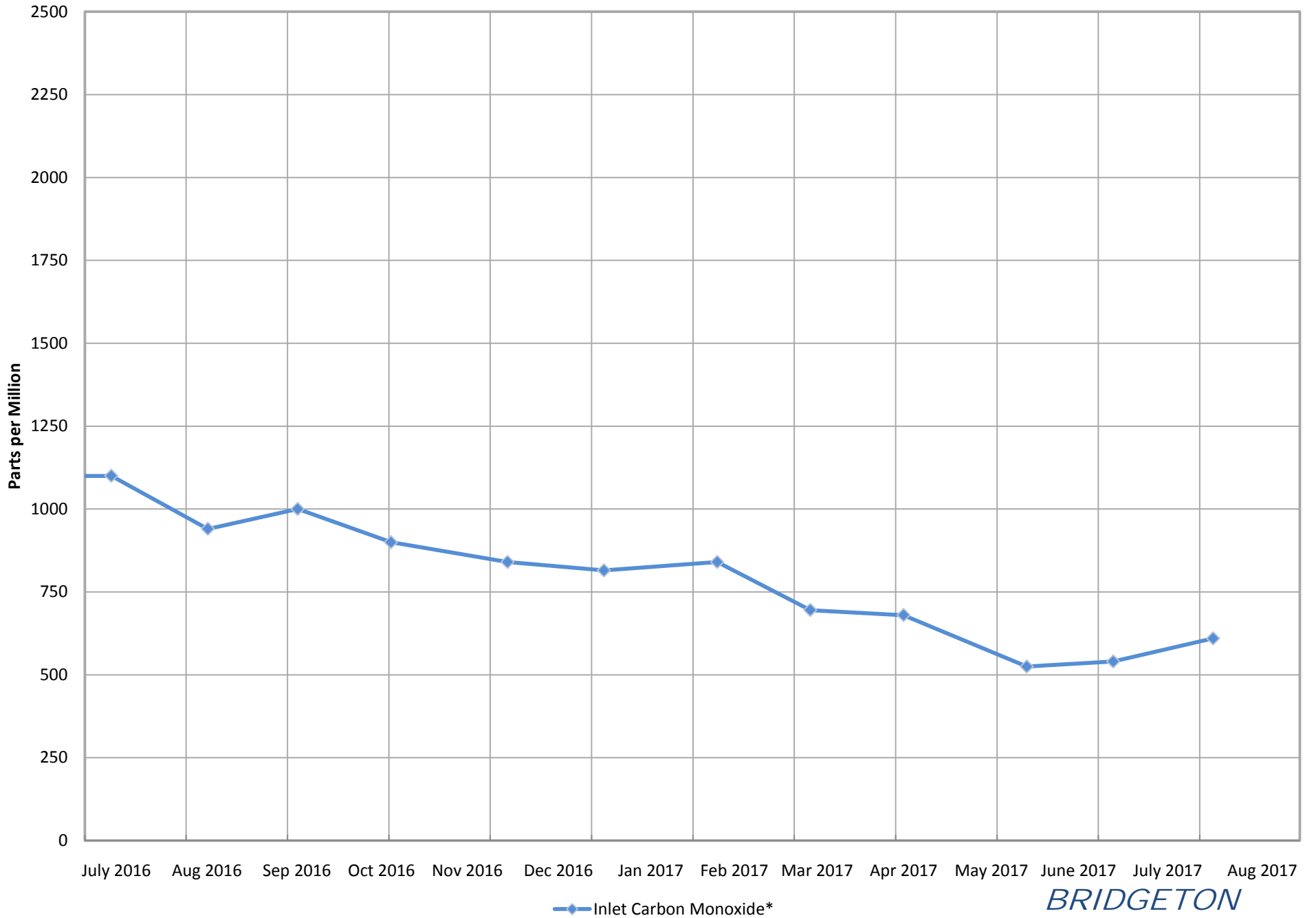
South Quarry Inlet Gas and Temperature*



*BRIDGETON
LANDFILL*

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

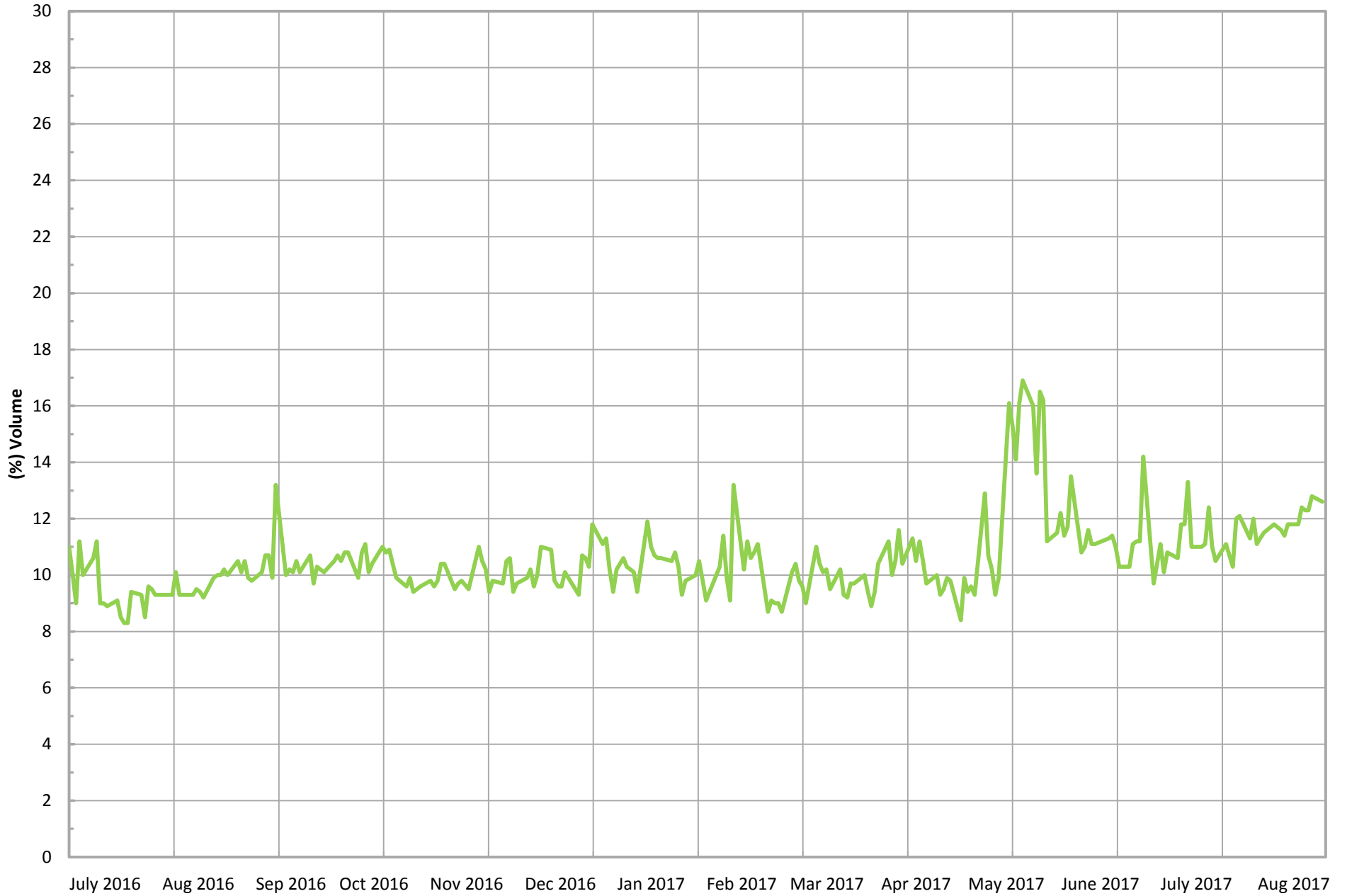
South Quarry Inlet Carbon Monoxide*



*Data collected from Laboratory Reports for the South Quarry.

*BRIDGETON
LANDFILL*

South Quarry Inlet Methane (Field Data)*

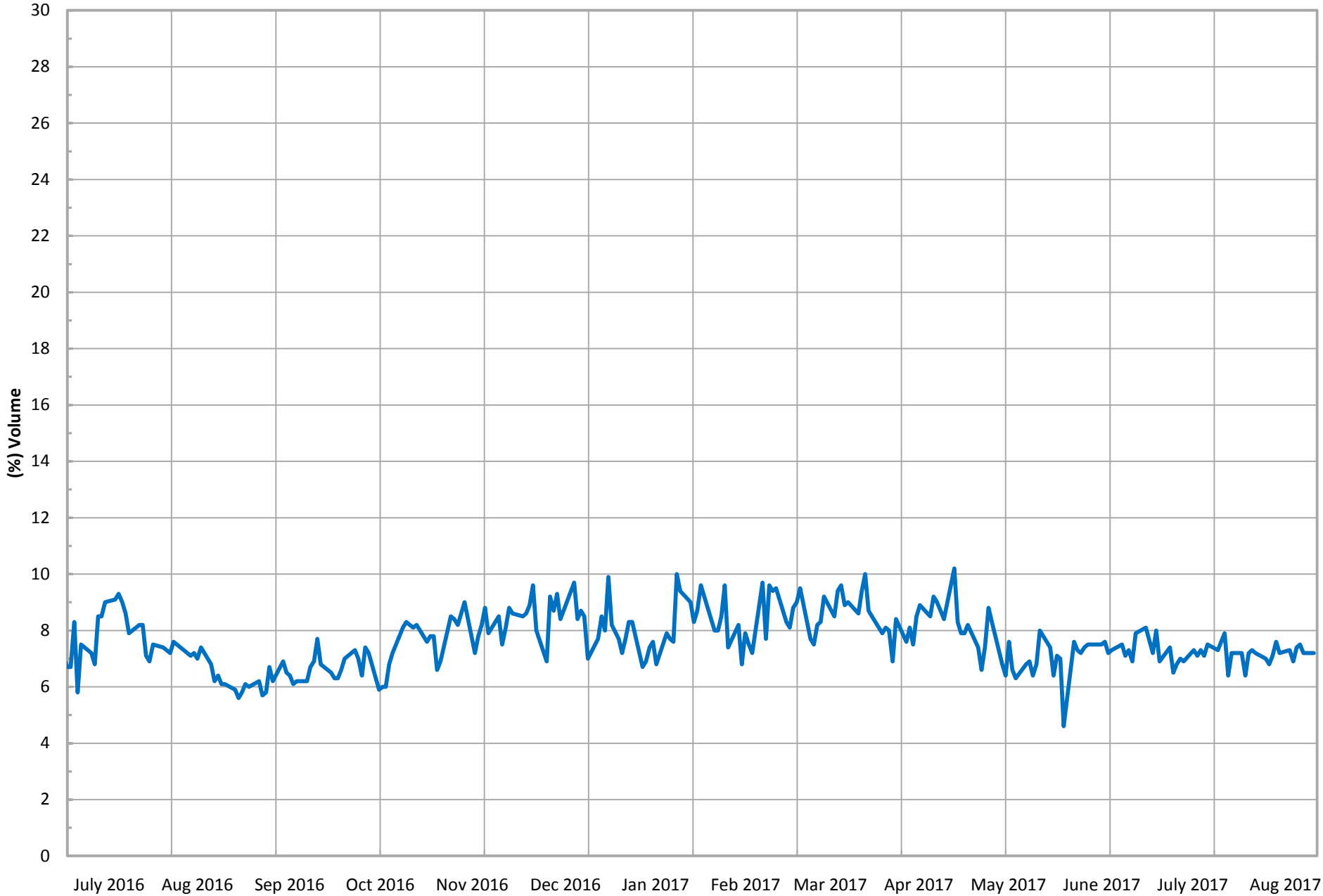


*Gas data collected from field monitoring data in the South Quarry.

— Combined Inlet Methane (Field Data)*

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South Quarry Inlet Oxygen (Field Data)*

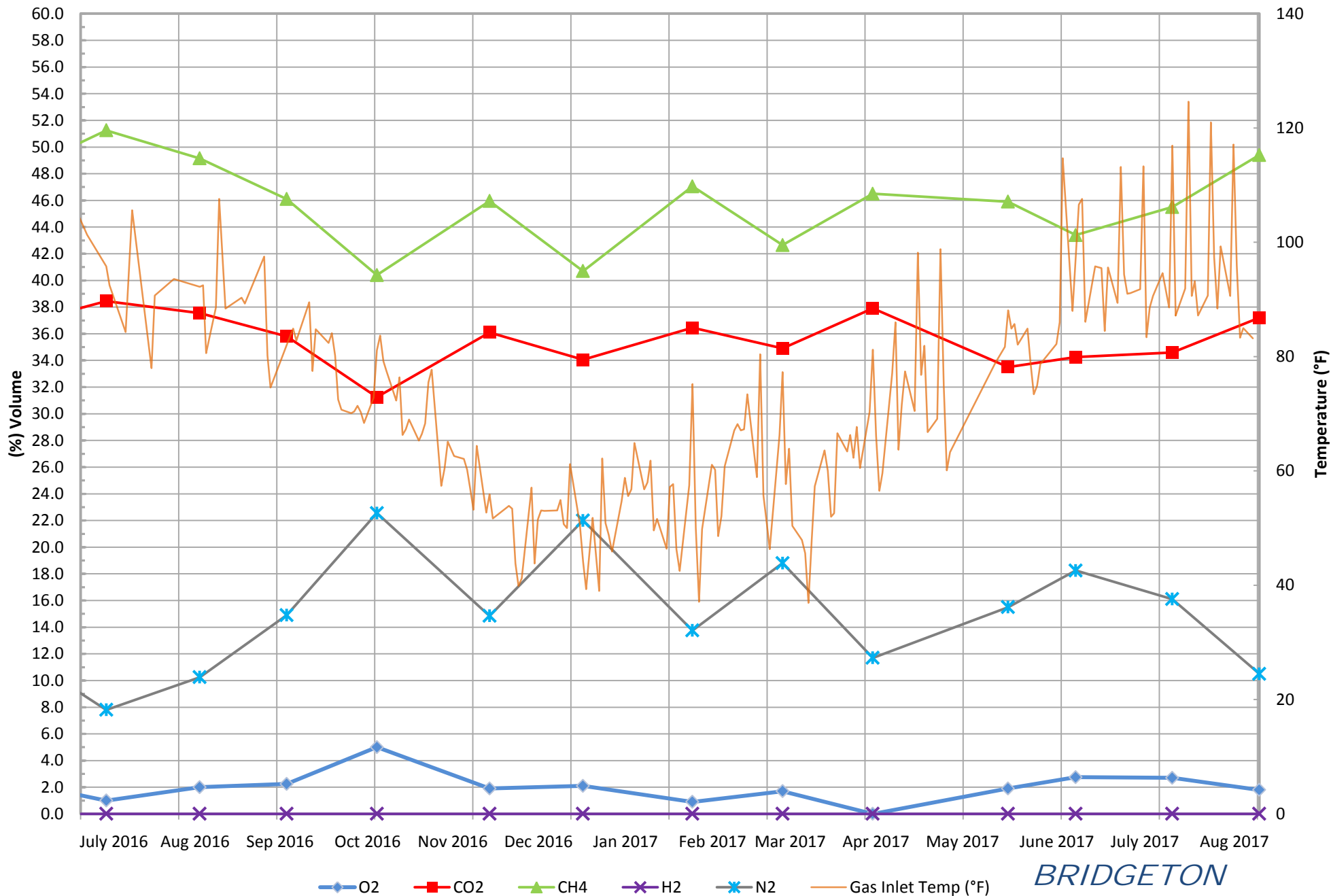


*Gas data collected from field monitoring data in the South Quarry.

— Combined Inlet Oxygen (Field Data)*

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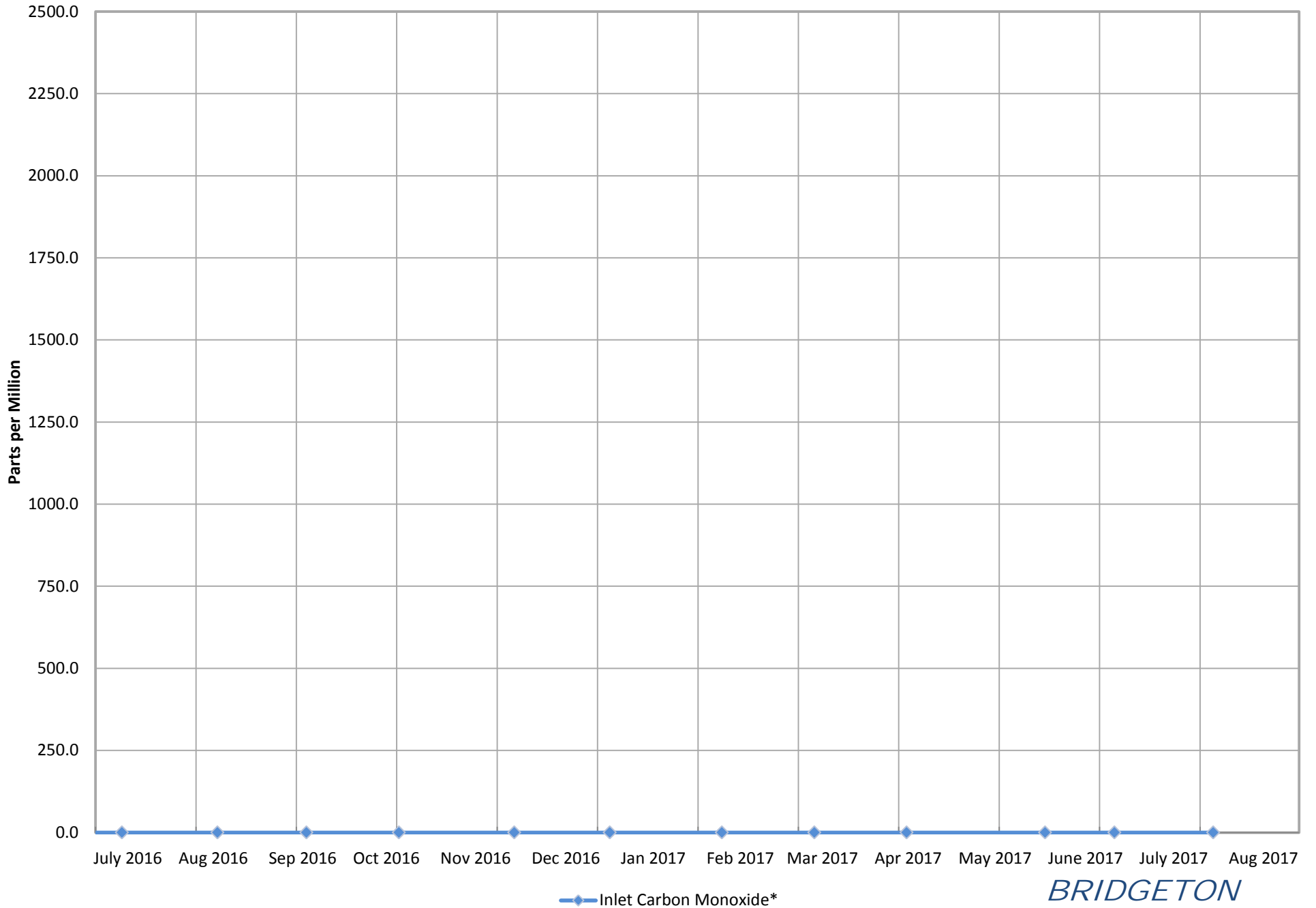
North Quarry Inlet Gas and Temperature*



*BRIDGETON
LANDFILL*

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

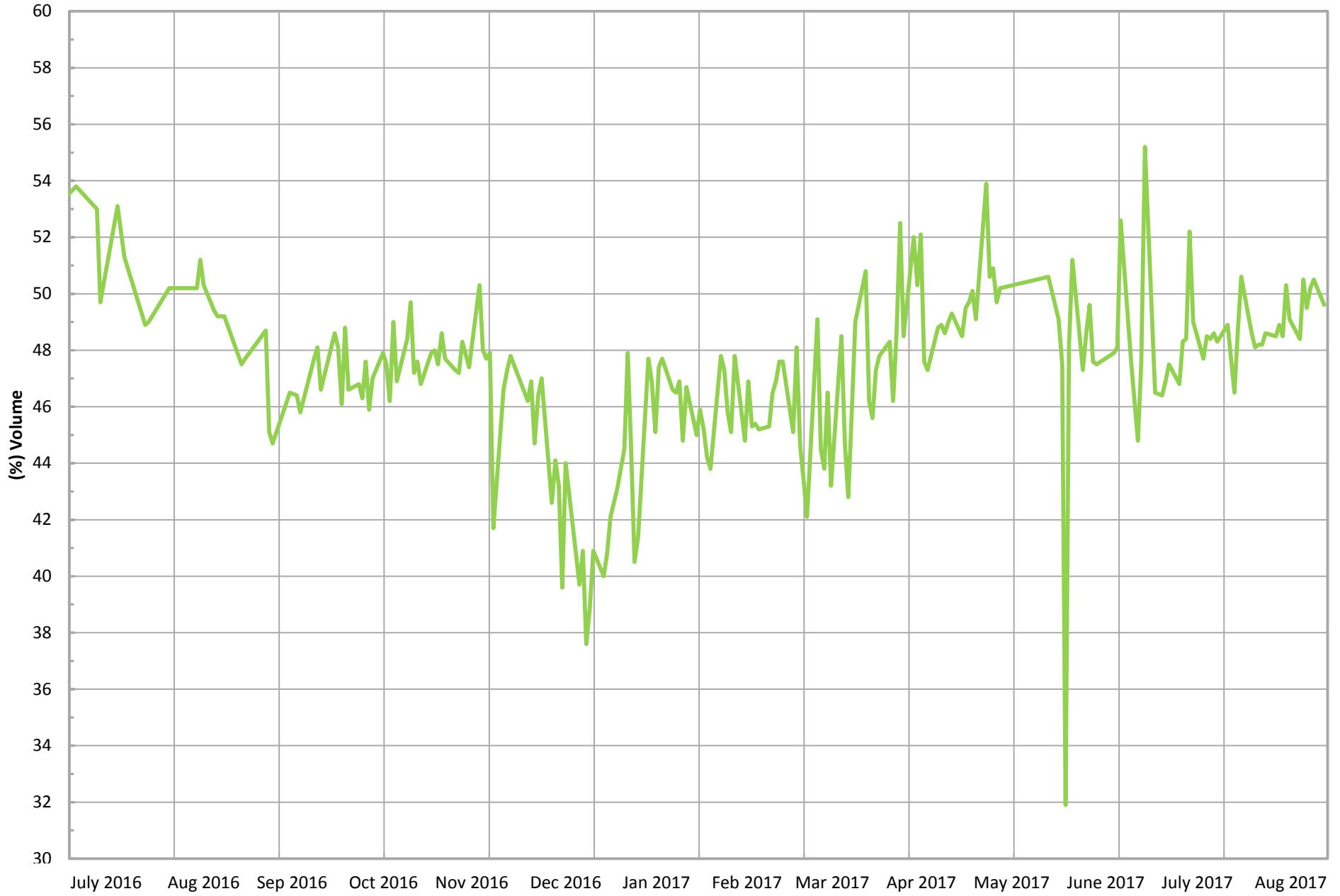
North Quarry Inlet Carbon Monoxide*



*Data collected from Laboratory Reports for the North Quarry.

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North Quarry Inlet Methane (Field Data)*

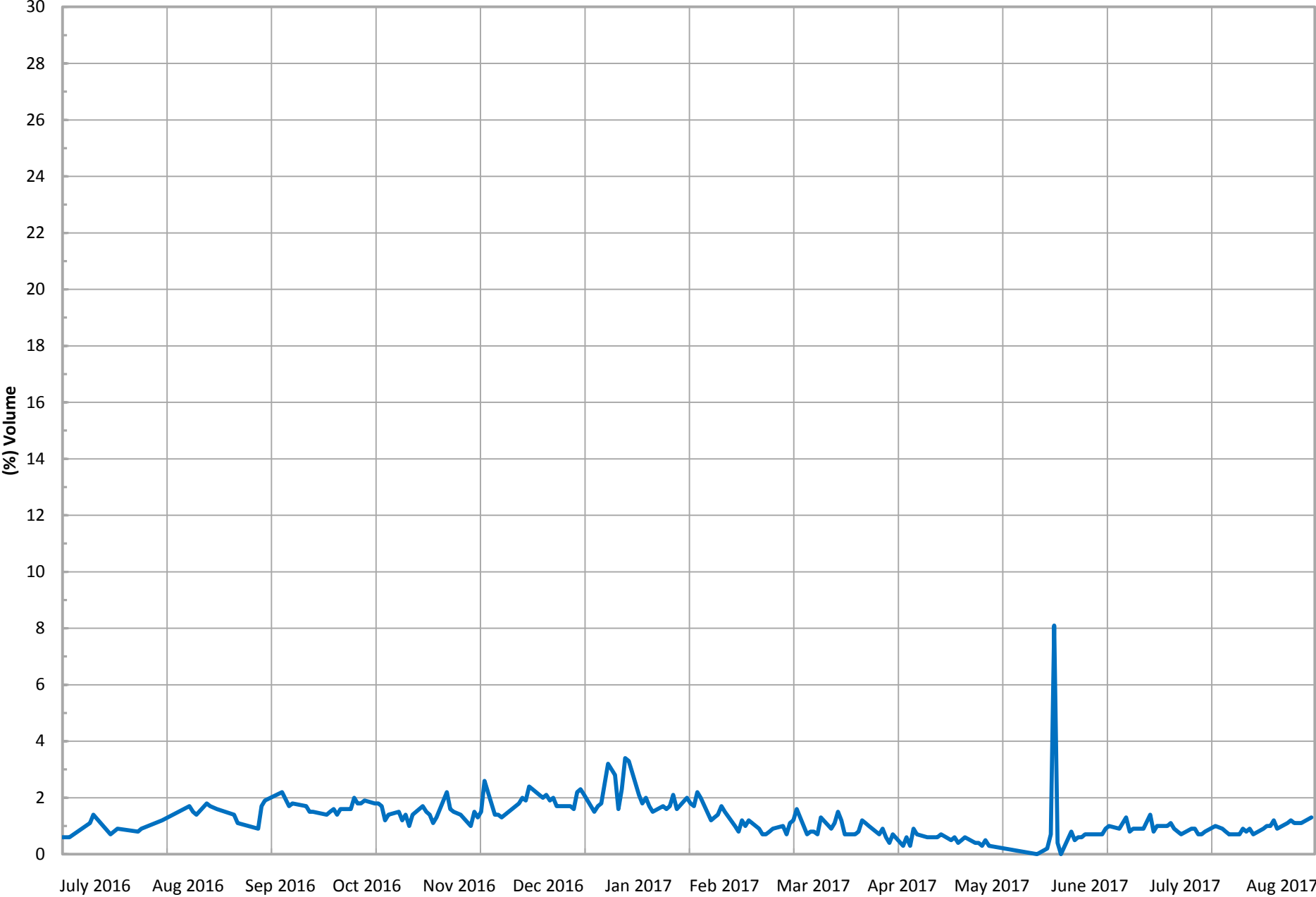


*Gas data collected from field monitoring data in the North Quarry.

— Combined Inlet Methane (Field Data)*

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North Quarry Inlet Oxygen (Field Data)*

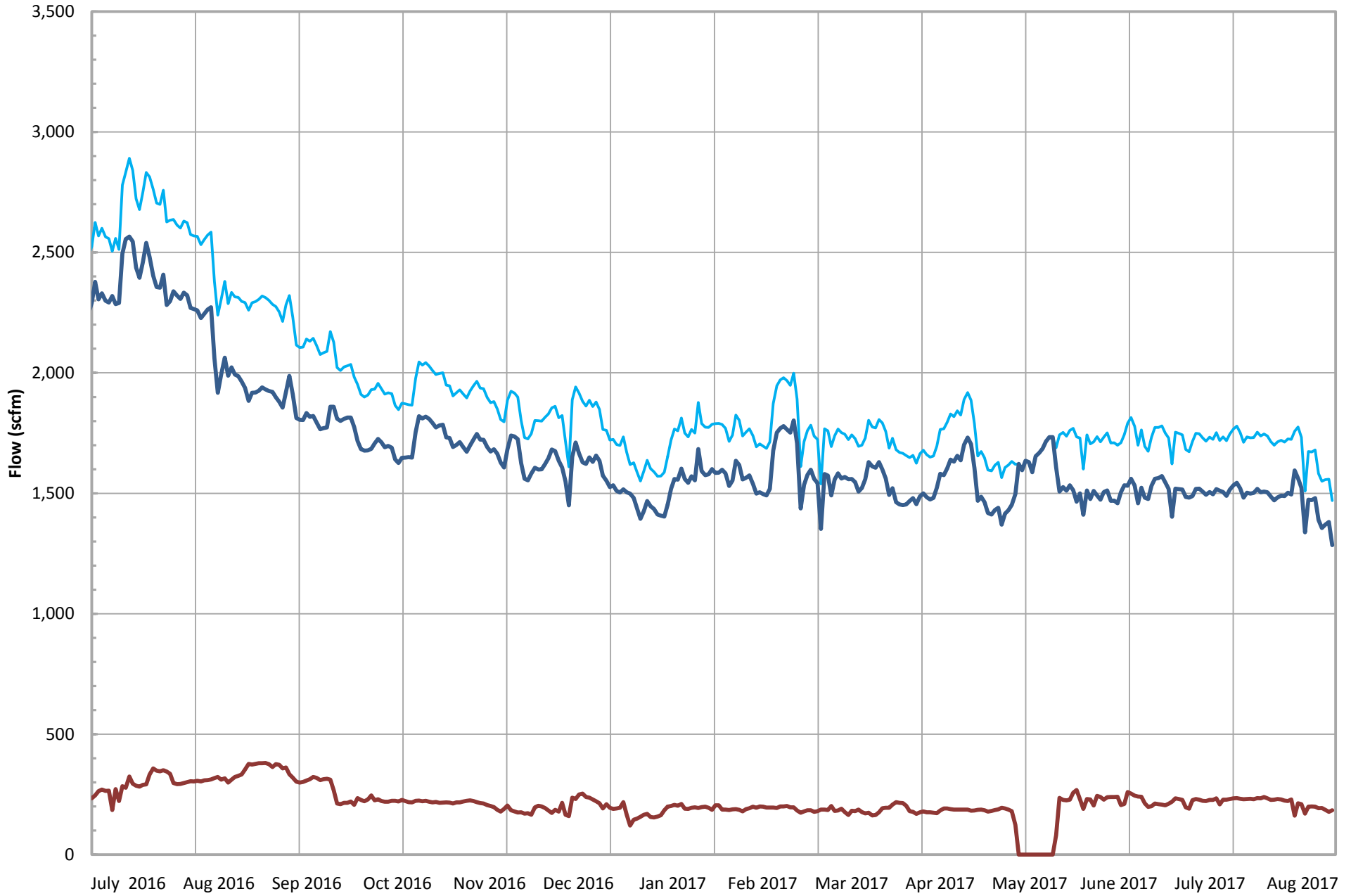


*Gas data collected from field monitoring data in the North Quarry.

— Combined Inlet Oxygen (Field Data)*

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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.

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

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