

Chevron Richmond Refinery Monthly Flare Data Report

Month: January 2020

Flare Name: FCC Flare

| Vent Gas Volume (SCF) (Note 10) | | Emissions (lbs) | | |
|---------------------------------------|-------------------------------------|-----------------|-----------------|-------------------|
| Date | Daily Total Vent Gas (Note 6, 7) | Methane | Non- methane | Sulfur Dioxide |
| 1 | 0 | 0.0 | 0.0 | 0.0 |
| 2 | 0 | 0.0 | 0.0 | 0.0 |
| 3 | 0 | 0.0 | 0.0 | 0.0 |
| 4 | 0 | 0.0 | 0.0 | 0.0 |
| 5 | 0 | 0.0 | 0.0 | 0.0 |
| 6 | 0 | 0.0 | 0.0 | 0.0 |
| 7 | 0 | 0.0 | 0.0 | 0.0 |
| 8 | 0 | 0.0 | 0.0 | 0.0 |
| 9 | 0 | 0.0 | 0.0 | 0.0 |
| 10 | 0 | 0.0 | 0.0 | 0.0 |
| 11 | 0 | 0.0 | 0.0 | 0.0 |
| 12 | 0 | 0.0 | 0.0 | 0.0 |
| 13 | 0 | 0.0 | 0.0 | 0.0 |
| 14 | 0 | 0.0 | 0.0 | 0.0 |
| 15 | 0 | 0.0 | 0.0 | 0.0 |
| 16 | 0 | 0.0 | 0.0 | 0.0 |
| 17 | 0 | 0.0 | 0.0 | 0.0 |
| 18 | 0 | 0.0 | 0.0 | 0.0 |
| 19 | 0 | 0.0 | 0.0 | 0.0 |
| 20 | 0 | 0.0 | 0.0 | 0.0 |
| 21 | 0 | 0.0 | 0.0 | 0.0 |
| 22 | 0 | 0.0 | 0.0 | 0.0 |
| 23 | 0 | 0.0 | 0.0 | 0.0 |
| 24 | 0 | 0.0 | 0.0 | 0.0 |
| 25 | 0 | 0.0 | 0.0 | 0.0 |
| 26 | 0 | 0.0 | 0.0 | 0.0 |
| 27 | 0 | 0.0 | 0.0 | 0.0 |
| 28 | 2,682 | 0.7 | 3.8 | 7.4 |
| 29 | 15,137 | 4.2 | 21.3 | 41.9 |
| 30 | 0 | 0.0 | 0.0 | 0.0 |
| 31 | 0 | 0.0 | 0.0 | 0.0 |
| Monthly Total | 17,819 | 5 | 25 | 49 |

For any 24-hour period in the reported month, there were no events where more than 1 MMSCF of vent gas was flared from FCC flare.
Natural gas is used for pilot and purge gases. The flow rates are reported based on orifice plate and differential pressure transmitter data, and appropriate correction factors as needed.