Chevron Richmond Refinery Monthly Flare Data Report

Month: **May 2019**

Flare Name: **H2 Flare**

	Vent Gas Volume (SCF) (Note 6)	Emissions (lbs)		
Date	Daily Total Vent Gas (Note 7)	Methane	Non-methane	Sulfur Dioxide
1	54,180	15.1	1.7	0.0
2	33,176	14.8	1.8	0.0
3	1,011,603	358.5	190.2	1.4
4	35,656,545	5,439.0	435.2	8.5
5	20,970,172	2,770.1	227.9	4.5
6	334,453	129.2	15.6	0.1
7	447,638	126.0	16.0	0.2
8	149,935	46.6	5.8	0.1
9	115,911	33.5	4.0	0.0
10	11,259,635	1,358.3	176.8	5.4
11	9,277,820	1,736.3	86.1	4.2
12	1,751	1.3	0.1	0.0
13	4,833	2.4	0.2	0.0
14	1,199	0.8	0.1	0.0
15	23,135	11.8	1.0	0.0
16	25,715	12.4	3.3	0.0
17	10,654	5.9	0.6	0.0
18	17,301	8.3	0.8	0.0
19	2,911,304	141.2	28.7	0.4
20	59,410	19.5	2.0	0.0
21	15,074	6.0	0.7	0.0
22	21,673	9.0	1.0	0.0
23	2,658	1.9	0.2	0.0
24	112,947	39.2	31.9	0.4
25	2,880	1.2	0.3	0.0
26	242	0.2	0.0	0.0
27	96,795	43.0	10.8	0.1
28	415,697	168.0	85.6	0.8
29	17,330,041	2,389.1	279.8	1.1
30	5,564	2.9	0.4	0.0
31	70,321	20.9	3.1	0.0
Monthly Total	100,440,261	14,912	1,612	27

For any 24-hour period in May 2019, there were four events where more than 1 MMSCF of vent gas was flared from H2 flare.
Natural gas is used for pilot gas and both natural gas and nitrogen are used as purge gas. The flow rates are measured by rotameters and coriolis meters.
There was monitoring system downtime experienced during May 2019.