



**South Coast Air Quality Management District**

**Valero Refinery (formerly Ultramar)  
2019 Rule 1118 Quarterly Flare Emissions**

**Emission Target**

2019 SOx Emissions Target (lbs)	Year-to-Date SOx Emissions (lbs)
29,600	4,957.3

**Quarter I (January 1, 2019 - March 31, 2019):**

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NOx	ROG	CO	SOx
LPG	6,805,200	47.7	3,454.1	214.4	1,953.3	47.7
Phase 0	9,460,555	71.6	1,228.8	70.8	358.2	3,130.1
Phase 1	7,185,782	56.2	924.2	60.8	314.2	698.4
Phase 2	3,938,408	30.8	505.0	31.5	163.2	28.8
<b>Total</b>	<b>27,389,945</b>	<b>206.3</b>	<b>6,112.1</b>	<b>377.4</b>	<b>2,788.8</b>	<b>3,905.0</b>

**Quarter II (April 1, 2019 - June 30, 2019):**

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NOx	ROG	CO	SOx
LPG	6,399,594	44.8	3,250.2	201.7	1,838.1	44.8
Phase 0	9,423,974	70.9	1,224.2	81.5	336.5	29.4
Phase 1	3,691,439	29.8	468.9	111.8	164.7	332.5
Phase 2	3,933,193	30.4	507.1	69.7	155.4	3.6
<b>Total</b>	<b>23,448,200</b>	<b>175.9</b>	<b>5,450.4</b>	<b>464.7</b>	<b>2,494.6</b>	<b>410.3</b>

**Quarter III (July 1, 2019 - September 30, 2019):**

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NOx	ROG	CO	SOx
LPG	6,536,309	45.8	3,317.2	205.9	1,875.9	45.8
Phase 0	9,654,496	72.4	1,254.9	69.1	338.5	8.3
Phase 1	3,663,171	28.5	472.5	81.7	152.2	5.4
Phase 2	4,701,882	562.5	44.4	569.1	467.7	347.5
<b>Total</b>	<b>24,555,859</b>	<b>709.2</b>	<b>5,089.0</b>	<b>925.8</b>	<b>2,834.4</b>	<b>406.9</b>

**Quarter IV (October 1, 2019 - December 31, 2019):**

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NOx	ROG	CO	SOx
LPG	6,790,310	47.6	3446.1	213.9	1948.9	47.6
Phase 0	9,917,940	74.6	1,288.3	77.9	350.7	64.0
Phase 1	3,641,680	28.2	470.1	75.0	148.6	28.4
Phase 2	5,157,614	55.4	594.2	853.2	524.9	95.2
<b>Total</b>	<b>25,507,544</b>	<b>205.8</b>	<b>5,798.7</b>	<b>1,220.0</b>	<b>2,973.1</b>	<b>235.1</b>

\*All data is subject to change per Rule 1118 reporting standards