



South Coast Air Quality Management District

Torrance Refining Company  
2019 Rule 1118 Quarterly Flare Emissions

Emission Target

2019 SO <sub>x</sub> Emissions Target (lbs)	Year-to-Date SO <sub>x</sub> Emissions (lbs)
54,800	21,113.0

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

	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NO <sub>x</sub>	ROG	CO	SO <sub>x</sub>
55F-1	15,023,504	112.6	1,996.7	108.0	554.9	87.3
65F	46,505,956	710.6	3,484.4	992.5	5,708.7	4,307.0
<b>Total</b>	<b>61,529,460</b>	<b>823.2</b>	<b>5,481.0</b>	<b>1,100.5</b>	<b>6,263.6</b>	<b>4,394.3</b>

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

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NO <sub>x</sub>	ROG	CO	SO <sub>x</sub>
55F-1	2,557,176	18.6	385.0	61.6	119.6	3.3
65F	22,042,708	222.0	2,523.7	308.8	1,704.1	1,331.1
<b>Total</b>	<b>24,599,885</b>	<b>240.6</b>	<b>2,908.7</b>	<b>370.4</b>	<b>1,823.7</b>	<b>1,334.4</b>

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

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NO <sub>x</sub>	ROG	CO	SO <sub>x</sub>
55F-1	2,529,750	19.0	328.9	17.1	85.4	2.8
65F	90,314,717	1,641.2	5,353.4	2,813.6	16,408.8	11,166.7
<b>Total</b>	<b>92,844,467</b>	<b>1,660.2</b>	<b>5,682.3</b>	<b>2,830.7</b>	<b>16,494.2</b>	<b>11,169.5</b>

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

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NO <sub>x</sub>	ROG	CO	SO <sub>x</sub>
55F-1	2,504,022	18.8	325.5	17.5	87.6	3.2
65F	60,153,153	1,295.6	5,274.1	2,496.0	14,530.3	4,211.6
<b>Total</b>	<b>62,657,175</b>	<b>1,314.3</b>	<b>5,599.7</b>	<b>2,513.5</b>	<b>14,617.9</b>	<b>4,214.8</b>