



South Coast Air Quality Management District

**Torrance Refining Company
2016 Rule 1118 Quarterly Flare Emissions**

Prior to July 1st, 2016, the facility operated as ExxonMobil Refinery

Emission Target

2016 SO _x Emissions Target (lbs)	Year-to-Date SO _x Emissions (lbs) ¹
54,800	31,483.3

Quarter I (January 1, 2016 - March 31, 2016)²:

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NO _x	ROG	CO	SO _x
55F-1	2,703,745	20.3	351.5	18.9	94.6	4.6
65F	90,046,800	2,129.3	6,640.3	3,451.4	20,124.7	4,883.0
Total	92,750,545	2,149.6	6,991.8	3,470.3	20,219.3	4,887.6

Quarter II (April 1, 2016 - June 30, 2016)²:

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NO _x	ROG	CO	SO _x
55F-1	2,796,750	21.0	363.6	19.6	97.9	5.2
65F	115,060,100	2,118.4	9,261.1	6,074.3	35,539.4	19,690.4
Total	117,856,850	2,139.4	9,624.7	6,093.9	35,637.3	19,695.6

Quarter III (July 1, 2016 - September 30, 2016):

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NO _x	ROG	CO	SO _x
55F-1	3,004,243	21.4	527.8	22.5	137.7	6.5
65F	34,951,600	4,226.5	10,443.8	6,737.4	39,410.1	4,755.0
Total	37,955,843	4,247.9	10,971.6	6,759.9	39,547.8	4,761.5

Quarter IV (October 1, 2016 - December 31, 2016):

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NO _x	ROG	CO	SO _x
55F-1	2,333,900	17.5	303.4	16.3	81.7	1.9
65F	31,972,400	2,939.6	7,736.6	4,678.0	27,340.1	2,136.7
Total	34,306,300	2,957.1	8,040.0	4,694.3	27,421.8	2,138.6

1. The total Year-to-Date SO_x Emissions (lbs) includes Quarter I/ Quarter II information from ExxonMobil Refinery.
2. Quarter I/ Quarter II data pertains to operation under ExxonMobil Refinery