



South Coast Air Quality Management District

**Tesoro Wilmington Refinery
2019 Rule 1118 Quarterly Flare Emissions**

Emission Target (Includes the combined totals from the Carson Sulfur Recovery Plant and Wilmington Refinery facilities)

2019 SOx Emissions Target (lbs)	Year-to-Date SOx Emissions (lbs)	
36,000	29,004.4	Tesoro, Wilmington Refinery
	3.7	Tesoro, Carson Sulfur Recovery Plant
	29,008.2	Total Combined Emissions

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

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NOx	ROG	CO	SOx
Flare 1	2,149,457.9	29.6	227.5	510.4	391.3	511.3
Flare 2	886,732.6	7.3	112.5	22.9	47.9	45.6
Total	3,036,190.5	36.9	340.0	533.3	439.2	556.9

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

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NOx	ROG	CO	SOx
Flare 1	3,103,834.5	45.4	400.2	1882.7	930.7	18669.4
Flare 2	1,933,714.5	27.0	232.7	900.1	454.6	9742.9
Total	5,037,549.0	72.5	632.8	2782.9	1385.3	28412.3

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

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NO _x	ROG	CO	SO _x
Flare 1	2,959,803.7	23.0	381.5	62.3	121.2	6.3
Flare 2	3,161,360.1	27.6	396.9	236.1	201.9	32.6
Total	6,121,163.8	50.7	778.3	298.4	323.1	38.9

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

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NO _x	ROG	CO	SO _x
Flare 1	3,343,830.0	30.4	419.1	343.1	254.7	914.9
Flare 2	2,960,818.3	22.4	383.9	30.9	107.9	2.6
Total	6,304,648.3	52.8	803.0	374.1	362.6	917.5

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