



South Coast Air Quality Management District

**Tesoro Wilmington Refinery
2020 Rule 1118 Quarterly Flare Emissions**

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

2020 SOx Emissions Target (lbs)	Year-to-Date SOx Emissions (lbs)	
36,000	2,124.8	Tesoro, Wilmington Refinery
	1.2	Tesoro, Carson Sulfur Recovery Plant
	2,126.0	Total Combined Emissions

Quarter I (January 1, 2020 - March 31, 2020):

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NOx	ROG	CO	SOx
Flare 1	4,306,580.8	50.5	468.3	978.7	553.6	1140.9
Flare 2	2,987,308.8	22.4	388.4	20.9	104.6	2.5
Total	7,293,889.6	72.9	856.6	999.6	658.1	1,143.4

Quarter II (April 1, 2020 - June 30, 2020):

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NOx	ROG	CO	SOx
Flare 1	4,176,007.4	47.6	445.8	869.1	502.4	437.0
Flare 2	3,514,205.0	33.2	420.7	420.5	292.9	105.1
Total	7,690,212.4	80.8	866.5	1289.7	795.3	542.1

Quarter III (July 1, 2020 - September 30, 2020):

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NOx	ROG	CO	SOx
Flare 1	3,038,937.5	448.9	1426.7	764.4	165.2	0.0
Flare 2	2,627,852.4	342.6	54.2	108.2	58.8	0.0
Total	5,666,789.9	791.5	1480.9	872.6	224.0	0.0

Quarter IV (October 1, 2020 - December 31, 2020):

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NOx	ROG	CO	SOx
Flare 1	9,259,580.2	105.5	969.3	1915.1	1108.5	1585.3
Flare 2	4,976,622.5	41.6	630.1	175.4	230.2	439.3
Total	14,236,202.7	147.1	1599.4	2090.5	1338.7	2024.6