



South Coast Air Quality Management District

**Tesoro Wilmington Refinery
2022 Rule 1118 Quarterly Flare Emissions**

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

2022 SOx Emissions Target (lbs)	Year-to-Date SOx Emissions (lbs)	
36,000	9,745.5	Tesoro, Wilmington Refinery
	1.0	Tesoro, Sulfur Recovery Plant
	9,746.5	Total Combined Emissions

Quarter I (January 1, 2022 - March 31, 2022):

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NOx	ROG	CO	SOx
Flare 1	2,937,016.9	22.5	379.8	41.2	111.5	4.7
Flare 2	2,894,363.4	22.2	374.6	56.1	116.9	124.5
Total	5,831,380.3	44.7	754.4	97.3	228.4	129.2

Quarter II (April 1, 2022 - June 30, 2022):

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NOx	ROG	CO	SOx
Flare 1	3,175,480.3	27.5	405.2	230.6	200.5	1587.1
Flare 2	4,155,408.4	48.4	487.6	1225.9	667.2	4061.3
Total	7,330,888.6	75.8	892.8	1456.5	867.7	5648.4

Quarter III (July 1, 2022 - September 30, 2022):

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NOx	ROG	CO	SOx
Flare 1	3,305,017.5	30.2	421.5	279.4	223.4	2289.0
Flare 2	3,848,584.3	42.3	457.8	789.9	461.6	1580.9
Total	7,153,601.8	72.4	879.3	1069.2	684.9	3870.0

Quarter IV (October 1, 2022 - December 31, 2022):

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NOx	ROG	CO	SOx
Flare 1	2,981,586.8	22.4	387.6	20.9	104.4	2.5
Flare 2	3,159,700.1	27.5	397.6	239.5	203.7	95.4
Total	6,141,286.9	49.9	785.2	260.4	308.1	97.9