



**South Coast Air Quality Management District**

**Tesoro Wilmington Refinery  
2023 Rule 1118 Quarterly Flare Emissions**

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

2023 SOx Emissions Target (lbs)	Year-to-Date SOx Emissions (lbs)	
36,000	10,756.8	Tesoro, Wilmington Refinery
	1.3	Tesoro, Sulfur Recovery Plant
	10,758.1	Total Combined Emissions

**Quarter I (January 1, 2023 - March 31, 2023):**

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NOx	ROG	CO	SOx
Flare 1	3,198,221.7	27.6	393.6	210.6	191.8	19.3
Flare 2	3,320,152.2	31.9	400.2	393.3	273.7	121.5
<b>Total</b>	<b>6,518,373.9</b>	<b>59.5</b>	<b>793.8</b>	<b>603.9</b>	<b>465.4</b>	<b>140.7</b>

**Quarter II (April 1, 2023 - June 30, 2023):**

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NOx	ROG	CO	SOx
Flare 1	3,333,472.1	30.4	408.7	283.2	226.0	35.8
Flare 2	6,658,121.8	101.8	688.3	3172.4	1579.4	1092.0
<b>Total</b>	<b>9,991,593.9</b>	<b>132.2</b>	<b>1097.1</b>	<b>3455.6</b>	<b>1805.4</b>	<b>1127.8</b>

**Quarter III (July 1, 2023 - September 30, 2023):**

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NOx	ROG	CO	SOx
Flare 1	3,198,221.7	27.6	393.6	210.6	191.8	19.3
Flare 2	6,658,121.8	101.8	688.3	3553.3	1758.9	2355.0
<b>Total</b>	<b>9,856,343.5</b>	<b>129.4</b>	<b>1082.0</b>	<b>3763.8</b>	<b>1950.6</b>	<b>2374.2</b>

**Quarter IV (October 1, 2023 - December 31, 2023):**

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NOx	ROG	CO	SOx
Flare 1	2,967,518.1	47.2	555.2	1416.7	758.9	2.6
Flare 2	4,817,652.8	110.2	852.8	4340.4	2128.6	7111.4
<b>Total</b>	<b>7,785,170.9</b>	<b>157.4</b>	<b>1408.0</b>	<b>5757.1</b>	<b>2887.5</b>	<b>7114.0</b>