



**South Coast Air Quality Management District**

**Chevron  
2016 Rule 1118 Quarterly Flare Emissions**

**Emission Target**

2016 SOx Emissions Target (lbs)	Year-to-Date SOx Emissions (lbs)
95,200	25,712.9

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

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NOx	ROG	CO	SOx
LSFO	9,513,776	71.4	1,236.6	66.7	333.9	7.9
Coker	4,333,948	32.5	563.4	30.3	151.7	3.6
FCC	22,922,997	171.9	2,980.0	160.5	802.4	19.0
Isomax	14,983,955	124.9	1,883.6	150.7	799.2	50.0
Alky Flare	3,079,734	23.1	400.4	21.6	107.8	2.6
Ground Flare	5,689,929	12.4	253.2	11.6	1,564.3	0.7
<b>Total</b>	<b>60,524,339</b>	<b>436.2</b>	<b>7,317.2</b>	<b>441.4</b>	<b>3,759.3</b>	<b>83.8</b>

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

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NOx	ROG	CO	SOx
LSFO	10,015,620	75.2	1,301.8	70.3	351.8	8.4
Coker	6,630,570	78.8	805.8	238.2	1,371.9	17,260.3
FCC	24,042,990	280.0	2,902.3	798.9	4,590.4	7,289.0
Isomax	14,624,920	143.1	1,630.3	132.0	701.0	829.4
Alky Flare	1,963,040	14.7	255.2	13.7	68.7	1.6
Ground Flare	33,947,120	46.3	1,059.7	43.0	10,598.1	0.3
<b>Total</b>	<b>91,224,260</b>	<b>638.1</b>	<b>7,955.1</b>	<b>1,296.1</b>	<b>17,681.9</b>	<b>25,389.0</b>

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

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NOx	ROG	CO	SOx
LSFO	10,120,150	75.9	1,315.6	70.8	354.2	8.4
Coker	4,365,540	32.7	567.5	30.6	152.8	3.6
FCC	23,201,140	175.5	3,009.1	168.8	850.4	132.9
Isomax	13,502,530	108.6	1,718.6	122.5	640.3	44.7
Alky Flare	2,124,460	17.1	278.7	26.7	144.5	1.8
Ground Flare	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total</b>	<b>53,313,820</b>	<b>409.8</b>	<b>6,889.5</b>	<b>419.4</b>	<b>2142.2</b>	<b>191.4</b>

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

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NOx	ROG	CO	SOx
LSFO	10,123,303	75.9	1,315.9	70.9	354.8	8.4
Coker	4,142,073	31.1	538.5	29.0	145.0	3.4
FCC	27,104,891	203.3	3,523.6	189.7	948.7	22.5
Isomax	13,635,533	102.3	1,772.6	95.4	477.2	11.3
Alky Flare	3,152,804	31.6	413.0	91.7	522.9	3.1
Ground Flare	0.05	0.0	0.0	0.0	0.0	0.0
<b>Total</b>	<b>58,158,604</b>	<b>444.2</b>	<b>7,563.6</b>	<b>476.7</b>	<b>2,448.6</b>	<b>48.7</b>