



South Coast Air Quality Management District

**Tesoro Carson Refinery (formerly BP Carson)
2020 Rule 1118 Quarterly Flare Emissions**

Emission Target

2020 SOx Emissions Target (lbs)	Year-to-Date SOx Emissions (lbs)
95,200	15,220.5

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

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NOx	ROG	CO	SOx
5 Flare	16,720,898	189.7	1,671.7	3,124.3	1,847.3	10.7
FFHDS	8,125,338	112.5	673.0	2,072.5	1,110.5	3,127.6
HC	62,755,246	1,195.7	3,573.2	27,062.8	12,998.3	5,729.7
FCC	5,458,794	43.7	694.7	170.0	246.5	64.6
S. Flare-Coker	10,135,603	91.9	1,248.0	806.7	663.1	513.0
Total	103,195,878	1,633	7,861	33,236	16,866	9,446

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

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NOx	ROG	CO	SOx
5 Flare	16,758,607	188.0	1,708.6	2,821.2	1,710.2	13.8
FFHDS	4,435,678	572.3	30.8	154.1	3.7	0.0
HC	14,510,933	180.7	1,502.6	3,133.8	1,763.3	2,641.0
FCC	5,397,561	41.3	697.2	79.4	206.6	4.7
S.Flare-Coker	9,063,130	68.1	1,177.6	69.2	319.6	24.8
Total	50,165,910	1,050.4	5,116.8	6,257.7	4,003.4	2,684.2

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

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NOx	ROG	CO	SOx
5 Flare	12,563,681.7	96.5	1,621.8	177.9	476.6	10.8
FFHDS	4,247,448.4	31.9	551.8	33.1	150.1	3.5
HC	26,572,725.0	461.3	1,873.4	13,492.7	6,564.7	2,620.4
FCC	5,333,643.9	40.3	693.3	49.0	191.6	12.9
S.Flare-Coker	9,516,820.6	75.3	1,218.6	229.0	400.2	409.8
Total	58,234,320	705.3	5958.9	13981.8	7783.2	3057.3

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

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NOx	ROG	CO	SOx
5 Flare	12,235,396	91.8	1590.6	85.6	428.2	10.2
FFHDS	4,257,974	31.9	553.5	29.8	149.0	3.5
HC	9,246,305	69.3	1,202.0	64.7	323.6	7.7
FCC	5,251,522	39.4	682.7	36.8	183.8	4.4
S.Flare-Coker	9,111,077	68.3	1184.4	63.8	318.9	7.6
Total	40,102,274	300.8	5213.3	280.7	1403.6	33.3