



South Coast Air Quality Management District

**Tesoro Carson Refinery (formerly BP Carson)
2018 Rule 1118 Quarterly Flare Emissions**

Emission Target

2018 SOx Emissions Target (lbs)	Year-to-Date SOx Emissions (lbs)
95,200	5,825.7

Quarter I (January 1, 2018 - March 31, 2018):

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NOx	ROG	CO	SOx
5 Flare	20,415,767	153.4	2,652.9	144.0	721.2	16.4
FFHDS	4,786,157	46.6	805.6	43.7	218.8	4.7
HC	10,199,899	79.9	1,384.2	74.5	372.7	8.5
FCC	6,861,901	50.9	859.9	53.3	273.2	23.0
S. Flare-Coker	9,655,152	90.8	1,540.1	92.6	471.8	296.8
Total	51,918,876	421.6	7,242.7	408.1	2,057.7	349.4

Quarter II (April 1, 2018 - June 30, 2018):

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NOx	ROG	CO	SOx
5 Flare	24,453,946	353.7	1,954.5	467.4	2,672.7	12.4
FFHDS	5,145,761	47.7	604.5	52.9	283.2	30.0
HC	10,564,574	99.3	1,239.0	118.1	638.1	567.0
FCC	5,505,470	42.4	709.3	42.0	213.3	36.9
S.Flare-Coker	9,465,279	75.7	1,214.6	91.0	478.5	314.0
Total	55,135,030	618.8	5,721.9	771.4	4,285.8	960.3

Quarter III (July 1, 2018 - September 30, 2018):

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NOx	ROG	CO	SOx
5 Flare	13,790,749.0	142.4	1,538.5	188.0	1,037.2	10.8
FFHDS	4,502,637.0	33.8	585.3	31.5	157.6	3.7
HC	9,254,694.0	69.5	1,202.9	65.1	325.6	7.7
FCC	5,485,160.0	41.2	712.6	38.8	194.4	4.6
S.Flare-Coker	9,821,094.0	80.5	1,269.5	119.3	643.4	4,077.0
Total	42,854,334	367.4	5308.8	442.7	2358.2	4103.8

Quarter IV (October 1, 2018 - December 31, 2018):

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NOx	ROG	CO	SOx
5 Flare	24,902,462	692.0	359.1	458.3	2617.6	252.4
FFHDS	4,515,119	533.2	33.9	31.6	158.0	3.8
HC	9,362,810	394.5	71.7	72.5	369.0	127.0
FCC	5,440,140	250.8	40.8	38.2	191.3	4.5
S.Flare-Coker	9,157,154	329.7	68.7	64.4	322.5	24.6
Total	53,377,685	2200.2	574.3	665.1	3658.5	412.2