



South Coast Air Quality Management District

**Tesoro Carson Refinery (formerly BP Carson)
2015 Rule 1118 Quarterly Flare Emissions**

Emission Target

2015 SOx Emissions Target (lbs)	Year-to-Date SOx Emissions (lbs)
95,160	6,020.6

Quarter I (January 1, 2015 - March 31, 2015):

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NOx	ROG	CO	SOx
5 Flare	39,456,648	402.8	4,485.7	577.4	3,198.5	27.1
FFHDS	6,767,948	82.1	656.7	104.8	588.5	9.0
HC	21,002,919	251.8	2,100.1	357.4	2,013.4	4,647.2
FCC	6,129,725	46.6	793.0	44.6	225.1	9.4
Coker	8,868,778	68.6	1,146.9	73.9	380.5	658.0
Total	82,226,019	851.9	9,182.4	1,158.2	6,405.9	5,350.7

Quarter II (April 1, 2015 - June 30, 2015):

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NOx	ROG	CO	SOx
5 Flare	27,115,380	213.0	3,462.8	212.8	1,088.4	22.1
FFHDS	4,398,920	34.1	564.2	33.1	167.7	3.7
HC	13,379,380	100.4	1,739.0	93.9	469.8	11.1
FCC	6,984,180	52.4	907.9	48.9	244.5	5.8
Coker	9,197,180.0	69.7	1,193.0	68.3	345.0	17.8
Total	61,075,040.0	469.6	7,867.0	456.9	2,315.5	60.5

Quarter III (July 1, 2015 - September 30, 2015):

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NO _x	ROG	CO	SO _x
5 Flare	27,946,340	210.5	3,629.8	200.2	1,005.5	23.8
FFHDS	4,307,910	32.3	560.0	30.2	150.8	3.7
HC	8,950,600	68.9	1,155.3	69.8	355.8	7.5
FCC	6,781,650	50.9	881.5	47.6	238.0	5.6
Coker	9,236,270	69.55	1199.9	66.17	332.26	42.8
Total	57,222,770	432.16	7,426.58	413.93	2,082.30	83.2

Quarter IV (October 1, 2015 - December 31, 2015):

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NO _x	ROG	CO	SO _x
5 Flare	27,203,331	204.2	3,535.7	190.9	954.9	22.6
FFHDS	4,344,470	33.2	561.1	2.0	161.3	3.8
HC	11,739,370	94.3	1,502.4	112.5	591.8	140.6
FCC	6,531,970	53.8	867.1	103.1	568.1	115.9
Coker	9,662,220	73.1	1255.06	71.2	359.05	243.4
Total	59,481,361	458.5	7,721.3	479.7	2,635.2	526.2