



South Coast Air Quality Management District

**BP Carson Refinery
2010 Rule 1118 Quarterly Flare Emissions**

Emission Target

2010 SOx Emissions Target (lbs)	Year-to-date SOx Emissions (lbs)
133,224	28,609.60

Quarter I (January 1, 2010 - March 31, 2010):

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NOx	ROG	CO	S as SO2
5 Flare	42,386,079	653.9	3,195.90	975.9	5,624.80	18.6
FFHDS	8,294,578	84.8	947.8	127.8	710	8.6
HC	10,992,629	82.6	1,428.40	77.7	388.9	9.1
FCC	16,004,744	150.4	1,984.30	238.9	1,316.70	114.3
Coker	20,324,560	242.7	2,548.70	2,368.60	4,701.10	4,839.80
Total	98,002,590	1,214.50	10,105.10	3,788.80	12,741.50	4,990.40

Quarter II (April 1, 2010 - June 30, 2010):

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NOx	ROG	CO	S as SO2
5 Flare	52,071,679	891.5	3,545.80	1,583.50	9,208.20	23.6
FFHDS	22,654,252	410.4	1,324.40	678.2	3,953.40	18.9
HC	41,552,707	659.4	2,995.20	983.7	5,680.60	2,100.30
FCC	10,758,854	132.3	1,085.50	219.3	1,245.30	117.2
Coker	13,817,306	103.8	1,795.50	97.6	488.6	12.4
Total	140,854,798	2,197.40	10,746.40	3,562.20	20,576.10	2,272.40

Quarter III (July 1, 2010 - September 30, 2010):

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NOx	ROG	CO	S as SO2
5 Flare	73,659,663	1,308.00	5,479.00	3,070.00	17,925.00	101
FFHDS	75,784,519	1,518.00	3,846.00	3,049.00	17,882.00	16,381.00
HC	18,752,729	233	1,760.00	283	1,590.00	166
FCC	7,248,444	57	930	60	308	7
Coker	14,735,005	114	1908	121	621	251
Total	190,180,360	3,230.00	13,923.00	6,583.00	38,326.00	16,906.00

Quarter IV (October 1, 2010 - December 31, 2010):

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NOx	ROG	CO	S as SO2
5 Flare	20,569,300	1,772.10	5,733.90	3,488.30	20,388.80	32.6
FFHDS	146,193,330	3,011.40	6,780.20	5,872.20	34,461.10	3,807.20
HC	29,627,570	389.6	2,947.70	776.5	4,455.10	573
FCC	6,631,890	62.5	786.3	83.5	455.8	16.2
Coker	14,020,530	107.7	1,861.90	101.3	507.7	11.9
Total	217,042,620	5,343.30	18,110.00	10,321.80	60,268.50	4,440.90