



South Coast Air Quality Management District

**BP Carson Refinery
2012 Rule 1118 Quarterly Flare Emissions**

Emission Target

2012 SOx Emissions Target (lbs)	Year-to-date SOx Emissions (lbs)
95,160	3,584.00

Quarter I (January 1, 2012 - March 31, 2012):

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NOx	ROG	CO	S as SO2
5 Flare	60,116,942	1,031.40	4,041.40	1,802.20	10,479.70	31.4
FFHDS	58,487,559	1,104.80	2,892.10	1,639.90	9,574.90	257.1
HC	51,754,814	895	3,300.80	1,446.80	8,410.40	1,692.80
FCC	4,911,255	37.3	635.3	35.6	179.4	8.8
Coker	8,933,886	76.3	1,103.00	87	460.4	53.5
Total	184,204,456	3,144.80	11,972.60	5,011.50	29,104.80	2,043.60

Quarter II (April 1, 2012 - June 30, 2012):

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NOx	ROG	CO	S as SO2
5 Flare	46,053,748	705.7	3,445.60	995.7	5,729.30	41.7
FFHDS	34,848,646	675	1,906.70	1,289.20	7,545.70	23.9
HC	16,802,684	126.6	2,180.10	119.1	597.2	14.1
FCC	4,430,198	33.2	575.9	31	155.2	3.7
Coker	7,750,411	58.3	1,006.80	55.1	276.5	7.6
Total	109,885,687	1,598.80	9,115.10	2,490.10	14,303.90	91

Quarter III (July 1, 2012 - September 30, 2012):

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NOx	ROG	CO	S as SO2
5 Flare	25,764,225	287.5	2,988.50	637.9	3,631.70	26.5
FFHDS	12,812,175	206.8	1,056.10	455.5	2,647.00	45.5
HC	16,395,763	123.9	2,126.00	117.7	591.4	31
FCC	4,481,377	34.2	578.8	33.1	167.1	6.9
Coker	8,983,992	68.8	1,167.20	74.7	384.4	803
Total	68,437,532	721.2	7,916.60	1,318.90	7,421.60	912.9

Quarter IV (October 1, 2012 - December 31, 2012):

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NOx	ROG	CO	S as SO2
5 Flare	69,234,751	1,266.30	4,007.80	2,136.90	12,464.90	92.3
FFHDS	71,688,099	1,445.80	3,710.00	2,935.80	17,215.10	291.5
HC	14,647,080	110	1,903.30	103.4	517.6	12.1
FCC	3,876,185	29.1	503.9	27.1	135.7	3.2
Coker	8,843,094	66.8	1,148.50	65	327.7	137.4
Total	168,289,209	2,918.00	11,273.50	5,268.20	30,661.00	536.5