



South Coast Air Quality Management District

**BP Carson Refinery
2008 Rule 1118 Quarterly Flare Emissions**

Emission Target

2008 SOx Emissions Target (lbs)	Year-to-date SOx Emissions (lbs)
190,000	89,503.30

Quarter I (January 1, 2008 - March 31, 2008)

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NOx	ROG	CO	S as SO2
5 Flare	97,588,840	1,914.90	4,669.30	3,197.60	18,718.60	614.3
FFHDS	37,039,660	741.6	1,954.70	1,505.70	8,827.50	11,580.80
HC	76,309,450	1,509.30	4,416.30	3,307.80	19,384.10	15,025.40
FCC	69,306,430	1,411.30	4,671.70	3,956.60	2,316.60	1,190.80
Coker	34,517,400	564.2	3,282.90	1,689.80	9,849.10	5,187.80
Total	314,761,780	6,141.40	18,994.80	13,657.50	59,095.90	33,599.10

Quarter II (April 1, 2008 - June 30, 2008)

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NOx	ROG	CO	S as SO2
5 Flare	101,149,850	1,960.80	5,978.70	4,167.30	24,399.60	22.3
FFHDS	57,629,050	1,151.10	2,656.40	1,962.80	11,503.20	369.8
HC	32,464,810	589.2	1,843.40	930.6	5,423.40	16,432.60
FCC	56,774,560	1,136.70	3,488.60	2,759.70	16,182.50	5,633.30
Coker	36,016,070	594.1	3,133.40	1,537.60	8,954.80	7,488.50
Total	284,034,340	5,431.90	17,100.30	11,358.00	66,463.50	29,946.50

Quarter III (July 1, 2008 - September 30, 2008)

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NOx	ROG	CO	S as SO2
5 Flare	40,625,190	695.4	3,255.10	1,690.00	9,852.50	33.6
FFHDS	26,791,520	502.8	1,393.00	789.9	4,614.20	112.9
HC	22,603,350	389.3	1,445.40	623.6	3,623.00	7,702.70
FCC	36,875,680	717.6	2,182.20	1,541.60	9,025.50	508.4
Coker	27,536,600	413.6	2,290.60	735.8	4,245.60	4,095.33
Total	154,432,340	2,719.00	10,566.30	5381	31,361.00	12,453.00

Quarter IV (October 1, 2008 - December 31, 2008)

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NOx	ROG	CO	S as SO2
5 Flare	80,542,380	1,538.60	4,280.80	2,683.30	15,689.10	436.3
FFHDS	25,347,490	474.6	1,437.90	848.8	4,959.40	221
HC	33,166,820	611.1	1,588.30	755.7	4,399.20	9,011.40
FCC	90,812,920	1,850.40	3,626.60	2,881.30	16,896.90	461.6
Coker	29,002,350	445.5	2,351.90	802.1	4,635.90	3,374.46
Total	258,871,960	4,920.10	13,285.40	7,971.10	46,580.50	13,504.80