



South Coast Air Quality Management District

**BP Carson Refinery
2007 Rule 1118 Quarterly Flare Emissions**

Emission Target

2007 SOx Emissions Target	Year-to-date SOx Emissions
285,400 lbs/year	131,227.7

Quarter I (January 1, 2007 - March 31, 2007)

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NOx	ROG	CO	S as SO2
5 Flare	71,190,540	1,337.00	4,807.60	3,126.40	18,290.10	197.3
FFHDS	50,498,800	1,005.10	3,009.40	3,319.10	13,593.4	35.1
HC	63,006,530	1,259.40	2,889.70	2,147.00	12,561.90	35,518.30
FCC	38,522,040	754	2,579.90	3,103.4	11,338.90	1,961.40
Coker	16,902,550	350.9	1,137.70	1,017.60	59,746.6	13,317.20
Total	240,120,460	4,706.40	14,424.30	12,713.50	115,530.90	51,029.30

Quarter II (April 1, 2007 - June 30, 2007)

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NOx	ROG	CO	S as SO2
5 Flare	37,722,190	629.1	3,362.70	1,747.00	10,184.40	20.5
FFHDS	26,302,580	495.8	1,599.40	1,006.90	5,889.00	36.6
HC	17,125,210	337.1	1,056.80	788.5	4,621.40	828.3
FCC	39,762,130	779.5	2,802.00	2,129.40	12,481.50	1,667.40
Coker	21,352,660	443	1,473.60	1,321.20	7,757.20	12,597.70
Total	142,264,770	2,684.50	10,294.50	6,993.10	40,933.50	15,150.50

Quarter III (July 1, 2007 - September 30, 2007)

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NOx	ROG	CO	S as SO2
5 Flare	24,149,600	358.7	2,020.70	623.4	3,592.50	8,785.70
FFHDS	29,085,840	553.9	1,903.90	1,288.30	7,541.70	1,765.30
HC	14,687,280	345.8	1,501.60	586	3,399.90	14,967.80
FCC	41,089,710	806.8	2,869.60	2,187.20	12,817.90	1,550.00
Coker	24,149,600	358.7	2,020.70	623.4	3,592.50	8,785.70
Total	133,162,030	2,423.90	10,316.50	5,308.30	30,944.60	35,854.60

Quarter IV (October 1, 2007 - December 31, 2007)

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NOx	ROG	CO	S as SO2
5 Flare	43,603,670	750.3	3,724.70	2,063.10	12,042.00	29.1
FFHDS	22,284,950	411.4	1,239.40	674.1	3,933.60	27
HC	33,009,640	597.8	1,849.50	909.8	5,301.20	12,516.30
FCC	34,077,130	660.5	2,767.10	2,098.10	12,297.30	2,804.40
Coker	26,774,020	399.2	2,542.90	948.1	5,703.70	13,816.60
Total	159,749,410	2,819.30	12,123.60	6,693.20	39,277.90	29,193.40