



South Coast Air Quality Management District

**Chevron El Segundo Refinery
2008 Rule 1118 Quarterly Flare Emissions**

Emission Target

2008 SOx Emissions Target (lbs)	Year-to-date SOx Emissions (lbs)
190,000	87,403.70

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

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NOx	ROG	CO	S as SO2
LSFO	5,587,640	46.2	708.1	58.4	311	359.4
Coker	6,990,120	87.8	786.7	233.2	1,342.70	13,502.70
FCC	29,464,290	291.2	3,410.80	407.9	2,247.20	746.4
Isomax	21,596,680	163.7	2,797.70	156.5	788.1	478.3
Flare	14,360,000	273.2	1,196.30	870	5,096.70	69.2
Alky Flare	17,370,070	130.5	2,257.20	122.7	614.3	14.5
Total	95,368,800	992.7	11,156.70	1,848.70	10,399.90	15,170.4

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

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NOx	ROG	CO	S as SO2
LSFO	5,096,900	42.9	637.3	51.3	272.1	175.2
Coker	15,819,510	146	2,047.50	331.8	1,864.40	39,283.90
FCC	21,640,710	162.6	2,813.40	154.4	774.8	21.2
Isomax	6,236,640	47.3	808.1	45.2	227.5	6.4
Ground Flare						
Alky Flare	13,112,070	98.4	1,704.50	91.9	459.4	10.9
Total	61,905,830	497.1	8,010.90	674.6	3,598.20	39,322.40

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

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NOx	ROG	CO	S as SO2
LSFO	4,934,140	41.3	627.9	42.5	220.8	15.5
Coker	13,876,450	106.1	1,819.60	102.9	519	119.6
FCC	24,044,200	163.9	2,840.20	153	765.2	18.2
Isomax	6,019,500	47.4	815.7	44.8	224.8	5.3
Flare						
Alky Flare	9,027,320	100.4	1,734.60	97.9	493.6	11
Total	57,901,610	458.9	7,838.10	441.1	2,223.40	169.7

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

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NOx	ROG	CO	S as SO2
LSFO	4,795.22	37	621.5	40.2	207.4	336.9
Coker	4,879.87	40.8	613.1	50.1	266.4	49.8
FCC	29,386,562	269.4	3,702.30	508.2	2,827.50	32,339.50
Isomax	6,371,926	48.7	821.9	46.1	232.3	9.4
Ground Flare	11,608,469	25.4	453	23.7	577.7	1.4
Alky Flare	5,073,086	38.1	659.7	36.3	182.2	4.2
Total	62,115,134	459.4	6,871.50	704.6	4,293.50	32,741.20