



South Coast Air Quality Management District

**Chevron El Segundo Refinery
2010 Rule 1118 Quarterly Flare Emissions**

Emission Target

2010 SOx Emissions Target (lbs)	Year-to-date SOx Emissions (lbs)
133,224	48,583.70

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

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NOx	ROG	CO	S as SO2
LSFO	221,483	1.7	28.8	1.6	7.8	0.2
Coker	11,859,686	89	1,541.80	83	415.1	9.8
FCC	30,979,754	321.7	3,897.10	846.9	4,825.10	15,945.50
Isomax	6,803,119	67.4	815.7	121.9	682	2,003.90
Flare	0	0	0	0	0	0
Alky Flare	3,690,088	27.7	479.7	25.8	129.2	3.1
Total	53,554,130	507.5	6,763.10	1,079.20	6,059.20	17,962.50

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

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NOx	ROG	CO	S as SO2
LSFO	12,957,053	97.2	1,684.40	90.7	453.5	10.8
Coker	14,701,895	154.1	1,645.30	224.7	1,249.40	17,416.00
FCC	12,349,773	110	1,592.40	220	1,224.10	767.4
Isomax	14,491,525	117.2	1,837.60	129.9	678.1	82.6
Ground Flare	0	0	0	0	0	0
Alky Flare	3,272,622	25.2	427.7	30.5	159.6	2.7
Total	57,772,868	504	7,187	696	3,765	18,279

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

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NOx	ROG	CO	S as SO2
LSFO	8,813,595	66.5	1,144.70	64	322.3	11.5
Coker	11,848,979	88.9	1,540.40	82.9	414.7	9.8
FCC	12,274,067	92.4	1,595.00	88.2	442.9	13.7
Isomax	16,565,165	167.7	1,993.40	333	1,874.30	11,435.30
Flare	0	0	0	0	0	0
Alky Flare	2,031,346	15.2	264.1	14.2	71.1	1.7
Total	51,533,152	430.7	6,537.60	582.4	3,125.30	11,472.00

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

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NOx	ROG	CO	S as SO2
LSFO	10,675,590	85	1,359.80	89.8	464.7	836.5
Coker	11,560,050	86.7	1,502.80	80.9	404.6	9.6
FCC	11,286,400	85	1,467.40	82.1	413.1	9.4
Isomax	13,704,160	103.2	1,779.70	97.8	491	11.5
Ground Flare	0	0	0	0	0	0
Alky Flare	3,425,050	25.7	445.3	24	119.9	2.8
Total	50,651,250	385.6	6,555.00	374.6	1,893.30	869.8