



South Coast Air Quality Management District

**Chevron El Segundo Refinery
2014 Rule 1118 Quarterly Flare Emissions**

Emission Target

2014 SOx Emissions Target (lbs)	Year-to-date SOx Emissions (lbs)
95,160	56,780.5

Quarter I (January 1, 2014 - March 31, 2014):

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NOx	ROG	CO	S as SO2
LSFO	16,012,813	128.4	2,036.7	140.0	728.1	2,386.1
Coker	17,039,024	203.6	2,012.8	569.1	3,272.7	53,952.1
FCC	13,074,466	104.0	1,672.5	116.2	605.4	70.6
Isomax	14,778,114	110.9	1,920.8	103.8	519.4	12.3
Alky Flare	3,311,472	24.8	430.5	23.2	115.9	2.7
Ground Flare	0	0.0	0.0	0.0	0.0	0.0
Total	64,215,889	571.7	8,073.3	952.3	5,241.5	56,423.8

Quarter II (April 1, 2014 - June 30, 2014):

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NOx	ROG	CO	S as SO2
LSFO	15,367,755	194.2	1,281.8	107.6	573.8	183.7
Coker	4,420,100	33.2	574.6	30.9	154.7	3.7
FCC	12,933,467	97.6	1,678.7	92.8	466.2	12.8
Isomax	13,594,857	104.2	1,757.9	105.5	537.4	11.7
Alky Flare	3,201,482	26.2	418.2	42.8	233.0	2.5
Ground Flare	114,990,206	161.3	3,664.7	150.1	35,688.8	22.7
Total	164,507,867	616.7	9,375.9	529.7	37,653.9	237.1

Quarter III (July 1, 2014 - September 30, 2014):

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NOx	ROG	CO	S as SO2
LSFO	8,593,505	64.5	1,116.8	60.5	302.9	7.2
Coker	3,010,492	22.6	391.4	21.1	105.4	2.5
FCC	12,481,781	93.7	1,622.4	87.6	438.2	10.4
Isomax	14,960,564	114.5	1,934.7	114.5	581.8	58.6
Alky Flare	2,549,820	19.2	331.5	18.4	92.6	2.1
Ground Flare	0	0.0	0.0	0.0	0.0	0.0
Total	41,596,162	314.5	5,396.8	302.1	1,520.9	80.8

Quarter IV (October 1, 2014 - December 31, 2014):

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NOx	ROG	CO	S as SO2
LSFO	9,389,490	71.1	1,214.0	65.6	328.0	9.9
Coker	3,303,837	24.8	429.5	23.1	115.6	2.7
FCC	13,298,841	99.7	1,728.8	93.1	465.5	11.0
Isomax	15,556,828	116.9	2,021.6	109.7	549.1	12.9
Alky Flare	2,762,326	20.8	359.1	19.7	99.1	2.3
Ground Flare	0	0.0	0.0	0.0	0.0	0.0
Total	44,311,322	333.3	5,753.0	311.2	1,557.3	38.8