



**South Coast Air Quality Management District**

**Chevron El Segundo Refinery  
2012 Rule 1118 Quarterly Flare Emissions**

**Emission Target**

2012 SOx Emissions Target (lbs)	Year-to-date SOx Emissions (lbs)
95,160	21,325.40

**Quarter I (January 1, 2012 - March 31, 2012)**

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NOx	ROG	CO	S as SO2
LSFO	7,571,700	56.8	984.3	53	265	6.3
Coker	12,202,680	91.5	1,586.30	85.4	427.1	10.1
FCC	20,072,135	150.5	2,609.40	140.5	702.5	16.7
Isomax	11,728,812	89	1,520.10	86.9	439.1	13
Flare	4,890,683	6.3	147	5.9	1,542.90	0
Alky Flare	2,040,796	15.3	265.3	14.3	71.4	1.7
<b>Total</b>	<b>58,506,806</b>	<b>409.4</b>	<b>7,112.40</b>	<b>386</b>	<b>3,448.00</b>	<b>47.8</b>

**Quarter II (April 1, 2012 - June 30, 2012)**

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NOx	ROG	CO	S as SO2
LSFO	12,441,890	151.1	1,483.80	448.6	2,584.50	11,451.60
Coker	12,386,261	92.9	1,610.20	86.7	433.5	10.3
FCC	17,602,765	133.5	2,291.30	138.5	706.5	43.8
Isomax	10,953,341	84.2	1,412.30	82.8	420.1	18.7
Alky Flare	2,121,852	15.9	275.8	14.9	74.3	1.8
<b>Total</b>	<b>55,506,109</b>	<b>477.6</b>	<b>7,073.40</b>	<b>771.5</b>	<b>4,218.90</b>	<b>11,526.20</b>

**Quarter III (July 1, 2012 - September 30, 2012)**

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NOx	ROG	CO	S as SO2
LSFO	8,241,956	61.8	1,071.50	57.7	288.5	6.8
Coker	15,191,233	150.9	1,898.30	345.6	1,953.90	9,622.30
FCC	14,270,033	107.6	1,852.10	102	511.9	21
Isomax	12,147,653	95.9	1,552.30	100.2	516.7	46.5
Alky Flare	2,213,917	16.6	287.8	15.5	77.5	1.8
<b>Total</b>	<b>52,064,792</b>	<b>432.8</b>	<b>6,662.00</b>	<b>621</b>	<b>3,348.50</b>	<b>9,698.40</b>

**Quarter IV (October 1, 2012 - December 31, 2012)**

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NOx	ROG	CO	S as SO2
LSFO	9,943,525	74.6	1,292.70	69.6	348	8.3
Coker	12,298,078	92.2	1,598.80	86.1	430.4	10.2
FCC	13,711,477	102.8	1,782.40	96	479.9	11.4
Isomax	14,065,000	108.2	1,811.20	105.3	533.7	21.1
Alky Flare	2,375,292	17.8	308.8	16.6	83.1	2
<b>Total</b>	<b>52,393,372</b>	<b>395.6</b>	<b>6,793.90</b>	<b>373.6</b>	<b>1,875.10</b>	<b>53</b>