



**South Coast Air Quality Management District**

**Chevron El Segundo Refinery  
2007 Rule 1118 Quarterly Flare Emissions**

**Emission Target**

2007 SOx Emissions Target	Year-to-date SOx Emissions
285,400	<b>98,596.40</b>

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

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NOx	ROG	CO	S as SO2
LSFO	10,341,186	78	1,341.40	73.8	370.4	60.2
Coker	30,577,518	470.1	2,799.80	1,148.30	6,666.00	720.8
FCC	23,806,103	178.7	3,094.20	167.4	837.6	20
Isomax	9,710,538	98.9	1,120.40	155.4	864.9	386.7
SMR	9,103,157	5.7	181.1	5.4	146.9	34.3
Alky Flare	1,998,000	15	259.7	14	69.9	1.7
SNR	0	0	0	0	0	0
<b>Total</b>	<b>85,536,502</b>	<b>846.4</b>	<b>8,796.60</b>	<b>1,564.30</b>	<b>8,955.70</b>	<b>1,223.70</b>

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

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NOx	ROG	CO	S as SO2
LSFO	10,988,293	90.1	1,401.60	116.6	620.9	1,099.40
Coker	28,997,473	441.3	2,746.90	1,136.20	6,597.00	8,632.50
FCC	21,200,899	164.8	2,746.90	188.2	978.3	5,468.80
Isomax	7,875,288	59.2	1,023.00	55.4	277.4	6.6
SMR	1,550,596	1.8	31.2	1.7	8.4	0.1
Alky Flare	2,020,200	15.2	262.6	14.1	70.7	1.7
SNR	19,100,492	47.6	1,085.90	44.4	318.6	5
<b>Total</b>	<b>91,733,241</b>	<b>820</b>	<b>9,298.10</b>	<b>1,556.60</b>	<b>8,871.30</b>	<b>15,214.10</b>

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

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NOx	ROG	CO	S as SO2
LSFO	7,840,000	65.4	997.4	89.7	482	396.9
Coker	10,641,100	114	1,225.80	216	1,219.00	746.6
FCC	22,508,900	174.4	2,920.40	199.5	1,036.50	31.9
Isomax	54,649,600	457.6	10,344.70	3,785.90	21,922.10	1,349.80
SMR	13,988,939	8.3	290.5	7.8	235.6	0.2
Alky Flare	13,312,600	99.9	1,730.60	93.3	466.5	11.1
SNR	9,460,300	5.6	274.6	5.2	91.9	0.4
<b>Total</b>	<b>132,401,439</b>	<b>925.2</b>	<b>17,784.00</b>	<b>4,397.40</b>	<b>25,453.60</b>	<b>2,536.90</b>

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

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NOx	ROG	CO	S as SO2
LSFO	1,131,600	46.2	671.9	56.9	303.6	33.5
Coker	20,847,300	317.7	2,054.50	894.4	5,198.30	62,208.40
FCC	25,827,500	228.6	3,055.30	194	997.3	28
Isomax	40,036,700	315.9	5,184.60	392.6	2,068.10	17,336.00
SMR	27,329,600	29.1	522.3	27.2	962.1	0.2
Alky Flare	18,759,100	140.8	2,438.20	131.8	659.7	15.6
SNR	0	0	0	0	0	0
<b>Total</b>	<b>133,931,800</b>	<b>1,078.30</b>	<b>13,926.80</b>	<b>1,696.90</b>	<b>10,189.10</b>	<b>79,621.70</b>