



**South Coast Air Quality Management District**

**Valero Refinery (formerly Ultramar)  
2007 Rule 1118 Quarterly Flare Emissions**

**Emission Target**

2007 SOx Emissions Target	Year-to-date SOx Emissions (lbs)
88,800 lbs/year	<b>51,926.90</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
LPG	236,620	2.2	206.1	4.8	50.7	74.5
Phase 0	7,278,056	111.3	735.8	281.1	1,629.30	26.1
Phase I	15,098,480	275.8	1,454.20	943	5,516.30	1,155.20
Phase 2	8,991,115	147.5	684.2	229.6	1,326.40	1,720.50
Total	31,604,271	536.8	3,080.30	1,458.50	8,522.70	2,976.30

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

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NOx	ROG	CO	S as SO2
LPG	446,937	2.2	203.4	4.7	50.1	73.5
Phase 0	6,076,847	79.4	637.4	185.5	1,067.40	25.6
Phase I	9,431,273	149.4	894.8	420.2	2,445.80	569.5
Phase 2	12,795,107	220	820.2	351.1	2,039.70	693.4
Total	28,750,164	451	2,555.80	961.5	5,603.00	1,362.00

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

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NOx	ROG	CO	S as SO2
LPG	451,170	2.2	205.3	4.7	50.5	74.2
Phase 0	5,601,670	68.9	601.1	147.3	843.3	19.1
Phase I	40,467	170.9	980.8	490.9	2,860.80	487.7
Phase 2	12,842,930	220.5	804.9	332.4	1,930.20	1,433.20
Total	18,936,237	462.5	2,592.10	975.3	5,684.80	2,014.20

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

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NOx	ROG	CO	S as SO2
LPG	453,720	2.2	206.4	4.8	50.8	74.6
Phase 0	10,916,470	180.5	887.8	413	2,403.70	36,551.20
Phase I	13,648,780	237.4	1,175.00	675.3	3,943.70	139.4
Phase 2	35,226,460	690.6	2,179.90	1,606.40	9,411.90	8,809.20
Total	60,245,430	1,110.70	4,449.20	2,699.40	15,810.10	45,574.40