



**South Coast Air Quality Management District**

**Valero Refinery (formerly Ultramar)  
2010 Rule 1118 Quarterly Flare Emissions**

**Emission Target**

2010 SOx Emissions Target (lbs)	Year-to-date SOx Emissions (lbs)
41,446	<b>22,902.50</b>

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

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NOx	ROG	CO	S as SO2
LPG	433,723	2.1	197.3	4.6	48.6	71.4
Phase 0	7,795,097	89.5	341.2	316.1	1,856.70	1,527.50
Phase I	6,271,029	56.9	214.1	198.4	1,165.10	1,030.00
Phase 2	12,878,327	195.6	593.5	549.8	3,229.10	137.9
Total	27,378,176	344.1	1,346.20	1,068.90	6,299.50	2,766.70

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

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NOx	ROG	CO	S as SO2
LPG	438,545	2.2	199.2	4.6	49	72
Phase 0	8,357,684	100.5	344.4	319.1	1,873.90	10,784.60
Phase I	5,870,424	47.6	164.2	152.1	893.2	75.9
Phase 2	11,944,602	175.2	515.7	477.8	2,805.80	369.4
Total	26,611,255	325.5	1,223.50	953.6	5,621.90	11,301.90

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

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NOx	ROG	CO	S as SO2
LPG	439,342	2.2	199.1	4.6	49	72
Phase 0	8,544,993	131	749	280	1,624.00	3,702.00
Phase I	6,019,551	77.2	643.7	183.1	1,052.90	766.4
Phase 2	12,059,761	204.1	968.6	484.1	2,820.80	1,154.50
Total	27,063,647	415	2,560	952	5,547	5,695

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

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NOx	ROG	CO	S as SO2
LPG	1,744,090	8.6	794.7	18.3	195.6	287.3
Phase 0	8,418,400	128.3	774.5	304.2	1,764.50	158.8
Phase 1	6,117,500	79.3	631	171.3	983.7	1,771.70
Phase 2	12,509,050	213.5	962.3	478.3	2,786.70	921.2
Total	28,789,040	429.7	3,162.50	972.1	5,730.50	3,139.00