



South Coast Air Quality Management District

**Valero Refinery (formerly Ultramar)
2012 Rule 1118 Quarterly Flare Emissions**

Emission Target

2012 SOx Emissions Target (lbs)	Year-to-date SOx Emissions (lbs)
29,605	34,009.30

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

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NOx	ROG	CO	S as SO2
LPG	5,324,705	26.1	2,422.70	55.9	596.4	875.9
Phase 0	7,281,641	110.7	668.5	210.5	1,214.40	277.9
Phase I	34,795,994	472.5	1,466.90	954.8	5,585.60	3,963.60
Phase 2	14,883,459	281.2	548.5	252.1	1,466.70	6,963.00
Total	62,285,799	890.5	5,106.60	1,473.30	8,863.10	12,080.40

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

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NOx	ROG	CO	S as SO2
LPG	4,938,786	24.2	2,247.10	51.9	553.1	812.4
Phase 0	6,035,919	85.6	639.1	183.3	1,054.40	11,872.60
Phase I	5,024,301	60.6	588	140.4	802.9	95
Phase 2	4,616,031	36.9	332.7	52.2	292.6	61
Total	20,615,037	207.3	3,806.90	427.8	2,703.00	12,841.00

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

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NOx	ROG	CO	S as SO2
LPG	4,506,146	22.1	2,050.30	47.3	504.7	741.3
Phase 0	5,364,227	68.8	564.6	154.9	889.8	695.7
Phase I	3,827,497	34.8	476.1	58.1	320.5	683.5
Phase 2	4,030,477	109.8	355.7	196.5	214.3	90.4
Total	17,728,347	235.5	3,446.70	456.8	1,929.30	2,210.90

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

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NOx	ROG	CO	S as SO2
LPG	6,174,090	30.3	2,809.20	64.8	691.5	1,015.60
Phase 0	6,355,067	89.7	650.3	234.7	1,358.50	465.3
Phase I	3,487,384	29.5	438.8	38.9	208.5	814.8
Phase 2	7,562,481	108	959.7	462.3	2,692.00	4,581.30
Total	23,579,022	257.5	4,858.00	800.7	4,950.50	6,877.00