



**South Coast Air Quality Management District**

**Valero Refinery (formerly Ultramar)  
2008 Rule 1118 Quarterly Flare Emissions**

**Emission Target**

2008 SOx Emissions Target (lbs)	Year-to-date SOx Emissions (lbs)
60,000	<b>90,893.80</b>

**Quarter I (January 1, 2008 - March 31, 2008)**

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NOx	ROG	CO	S as SO2
LPG	444,740	2.2	202.4	4.7	49.8	73.2
Phase 0	6,220,460	82.4	617.9	167.4	961.4	2,635.30
Phase I	14,271,090	251.2	1,144.20	651.3	3,803.00	317.8
Phase 2	19,643,680	363.9	1,307.60	802.6	4,691.80	2,529.30
Total	40,579,970	699.7	3,272.10	1,626.00	9,505.90	5,555.50

**Quarter II (April 1, 2008- June 30, 2008)**

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NOx	ROG	CO	S as SO2
LPG	452,670	2.5	199.3	4.6	49.1	72.1
Phase 0	3,570,840	26.8	464.2	25	125	3
Phase I	21,207,260	396.7	1,579.20	1,054.30	6,169.80	125.9
Phase 2	13,196,740	230.6	749.5	284.4	1,648.40	789.1
Total	38,427,510	656.6	2,992.20	1,368.30	7,992.20	990

**Quarter III (July 1, 2008 - September 30, 2008)**

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NOx	ROG	CO	S as SO2
LPG	69	2.2	201.4	4.7	49.6	72.8
Phase 0	4,496,910	45.7	522.3	74.4	414.8	42,788.00
Phase I	6,113,170	79.2	642.7	182.1	1,047.30	73.2
Phase 2	6,806,390	660.7	197.5	1,137.50	1,801.10	7,383.90
Total	17,416,539	788	1,564.00	1,399.00	3,313.00	50,318.00

**Quarter IV (October 1, 2008- December 31, 2008)**

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NOx	ROG	CO	S as SO2
LPG	1,329,611	2.18	201.33	4.65	49.56	72.7
Phase 0	2,983,344	48.21	536.48	83.7	469.57	32,954.78
Phase I	9,039,877	140.65	884.31	406	2,362.10	712.58
Phase 2	7,096,933	99.85	558.24	103.9	589.9	290.29
Total	20,449,765.00	290.9	2,180.40	598.3	3,469.30	34,030.40