South Coast Air Quality Management District

Tesoro Wilmington Refinery
2013 Rule 1118 Quarterly Flare Emissions

Emission Target (Includes the combined totals from the <u>Carson Sulfur Recovery Plant</u> and <u>Wilmington Refinery</u> facilities)

2013 SOx Emissions Target (lbs)	Year-to-date SOx Emissions (lbs)	
	4,691.9	Tesoro, Wilmington Refinery
	48.4	Tesoro, Carson Sulfur Recovery Plant
36,051	4,740.30	Total Combined Emissions

Quarter I (January 1, 2013 - March 31, 2013)

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NOx	ROG	CO	S as SO2
LAR	13,207,293	128.9	1,606.50	240.8	1,347.10	3,882.80
Total	13,207,293	128.9	1,606.50	240.8	1,347.10	3,882.80

Quarter II (April 1, 2013 - June 30, 2013)

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NOx	ROG	CO	S as SO2
LAR	12,538,980	97.8	1,555.20	111.2	561.6	73.9
Total	12,538,980	97.8	1,555.20	111.2	561.6	73.9

Quarter III (July 1, 2013 - September 30, 2013)

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NOx	ROG	CO	S as SO2
LAR	14,115,271	117.3	1,771.70	136.4	679.8	261.9
Total	14,115,271	117.3	1,771.70	136.4	679.8	261.9

Quarter IV (October 1, 2013 - December 31, 2013)

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NOx	ROG	CO	S as SO2
LAR	14,676,736	123.7	1,843.70	157.5	841.4	473.3
Total	14,676,736	123.7	1,843.70	157.5	841.4	473.3