



**South Coast Air Quality Management District**

**Phillips 66 - Wilmington  
2016 Rule 1118 Quarterly Flare Emissions**

**Emission Target** (Includes the combined totals from the Carson and Wilmington facilities)

2016 SOx Emissions Target (lbs)	Year-to-Date SOx Emissions (lbs)	
50,800	9,986.6	Phillips 66, Wilmington
	15,650.6	Phillips 66, Carson
	25,637.2	Total Combined Emissions

**Quarter I (January 1, 2016 - March 31, 2016):**

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NOx	ROG	CO	SOx
North	1,263,933	15.4	133.2	40.5	233.4	822.6
South	912,869	10.2	102.3	21.2	121.1	200.4
UK	798,191	6.3	103.0	7.4	38.9	55.5
LPG	1,463,088	7.6	614.7	14.8	151.8	214.9
<b>Total</b>	4,438,081	39.5	953.2	83.9	545.2	1,293.4

**Quarter II (April 1, 2016 - June 30, 2016):**

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NOx	ROG	CO	SOx
North	2,154,400	30.4	125.0	46.9	271.3	3,099.5
South	1,110,700	10.9	87.8	15.9	90.7	526.7
UK	651,900	4.9	84.4	4.9	25.0	10.9
LPG	718,900	8.2	680.5	16.3	167.9	239.2
<b>Total</b>	4,635,900	54.4	977.7	84.0	554.9	3,876.3

**Quarter III (July 1, 2016 - September 30, 2016):**

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NOx	ROG	CO	SOx
North	1,029,300	9.6	127.1	17.7	97.9	366.1
South	910,400	8.2	113.2	11.6	63.0	3.0
UK	943,600	7.4	122.3	8.5	44.2	107.1
LPG	5,218,700	26.1	2,290.4	53.8	564.5	818.1
<b>Total</b>	<b>8,102,000</b>	<b>51.3</b>	<b>2,653.0</b>	<b>91.6</b>	<b>769.6</b>	<b>1,294.3</b>

**Quarter IV (October 1, 2016 - December 31, 2016):**

Flare ID	Total Gas Flow (scf)	Emissions (lbs)				
		PM-10	NOx	ROG	CO	SOx
North	1,674,700	23.1	172.8	57.9	333.2	1,431.0
South	1,012,800	10.2	123.6	21.2	119.0	526.1
UK	1,407,200	15.4	148.9	31.2	178.7	1,453.9
LPG	817,000	4.4	326.7	8.1	80.8	111.6
<b>Total</b>	<b>4,911,700</b>	<b>53.1</b>	<b>772.0</b>	<b>118.4</b>	<b>711.7</b>	<b>3,522.6</b>