



South Coast Air Quality Management District

**Phillips 66 Wilmington
2014 Rule 1118 Quarterly Flare Emissions**

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

| 2014 SOx Emissions Target (lbs) | Year-to-date SOx Emissions (lbs) | |
|---------------------------------|----------------------------------|--------------------------|
| 50,874 | 16,200.20 | Phillips 66, Wilmington |
| | 38,636.70 | Phillips 66, Carson |
| | 54,836.90 | Total Combined Emissions |

Quarter I (January 1, 2014 - March 31, 2014):

| Flare ID | Total Gas Flow (scf) | Emissions (lbs) | | | | |
|--------------|----------------------|-----------------|----------------|----------------|-----------------|----------------|
| | | PM-10 | NOx | ROG | CO | S as SO2 |
| North | 2,497,139 | 38.4 | 246.3 | 110.4 | 642.0 | 3,134.1 |
| South | 1,073,197 | 10.5 | 127.2 | 16.9 | 94.1 | 432.1 |
| UK | 1,343,111 | 15.2 | 165.4 | 43.5 | 249.8 | 1,742.9 |
| LPG | 9,555,909 | 198.0 | 2,125.5 | 1,946.7 | 11,431.9 | 28.4 |
| Total | 14,469,356 | 262.1 | 2,664.4 | 2,117.5 | 12,417.8 | 5,337.5 |

Quarter II (April 1, 2014 - June 30, 2014):

| Flare ID | Total Gas Flow (scf) | Emissions (lbs) | | | | |
|--------------|----------------------|-----------------|----------------|--------------|----------------|----------------|
| | | PM-10 | NOx | ROG | CO | S as SO2 |
| North | 1,667,179 | 19.6 | 189.2 | 45.5 | 260.4 | 1,477.9 |
| South | 1,126,141 | 10.5 | 133.7 | 13.3 | 72.2 | 147.6 |
| UK | 1,093,155 | 8.4 | 141.4 | 8.5 | 43.6 | 25.3 |
| LPG | 9,626,241 | 86.2 | 930.6 | 839.3 | 4,928.2 | 12.3 |
| Total | 13,512,716 | 124.7 | 1,394.9 | 906.6 | 5,304.4 | 1,663.1 |

Quarter III (July 1, 2014 - September 30, 2014):

| Flare ID | Total Gas Flow (scf) | Emissions (lbs) | | | | |
|--------------|----------------------|-----------------|--------------|--------------|----------------|----------------|
| | | PM-10 | NOx | ROG | CO | S as SO2 |
| North | 1,941,213 | 27.1 | 211.3 | 80.6 | 467.0 | 2,499.8 |
| South | 1,660,260 | 24.1 | 119.3 | 20.3 | 114.1 | 169.9 |
| UK | 1,012,912 | 7.9 | 130.5 | 8.3 | 42.8 | 26.5 |
| LPG | 2,313,716 | 45.8 | 499.9 | 440.1 | 2,583.4 | 6.5 |
| Total | 6,928,101 | 104.9 | 961.0 | 549.3 | 3,207.3 | 2,702.7 |

Quarter IV (October 1, 2014 - December 31, 2014):

| Flare ID | Total Gas Flow (scf) | Emissions (lbs) | | | | |
|--------------|-------------------------|-----------------|-----------------|---------------|-----------------|-----------------|
| | | PM-10 | NOx | ROG | CO | S as SO2 |
| North | 3,674,829 | 63.1 | 271.8 | 133.8 | 779.3 | 6,417.70 |
| South | 926,898 | 7.8 | 116.1 | 9.2 | 48.7 | 63.8 |
| UK | 997,985 | 7.5 | 129.6 | 7.2 | 36.2 | 9 |
| LPG | 2,313,716 | 45.8 | 499.20 | 439.40 | 2,579.60 | 6.4 |
| Total | 7,913,428 | 124.2 | 1,016.70 | 589.60 | 3,443.80 | 6,496.90 |