



South Coast Air Quality Management District

**Phillips 66 - Wilmington
2017 Rule 1118 Quarterly Flare Emissions**

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

| 2017 SOx Emissions Target (lbs) | Year-to-Date SOx Emissions (lbs) | |
|---------------------------------|----------------------------------|--------------------------|
| 50,800 | 19,300.6 | Phillips 66, Wilmington |
| | 10,933.0 | Phillips 66, Carson |
| | 30,233.6 | Total Combined Emissions |

Quarter I (January 1, 2017 - March 31, 2017):

| Flare ID | Total Gas Flow (scf) | Emissions (lbs) | | | | |
|--------------|----------------------|-----------------|---------|-------|---------|----------|
| | | PM-10 | NOx | ROG | CO | SOx |
| North | 1,775,140 | 25.2 | 200.5 | 84.6 | 491.8 | 5,567.0 |
| South | 1,747,707 | 25.8 | 157.8 | 55.1 | 319.4 | 2,928.1 |
| UK | 1,340,427 | 15.5 | 157.3 | 38.9 | 222.9 | 1,623.3 |
| LPG | 3,341,864 | 17.1 | 1,435.4 | 34.2 | 354.1 | 506.7 |
| Total | 8,205,138 | 83.6 | 1,951.0 | 212.8 | 1,388.2 | 10,625.1 |

Quarter II (April 1, 2017 - June 30, 2017):

| Flare ID | Total Gas Flow (scf) | Emissions (lbs) | | | | |
|--------------|----------------------|-----------------|---------|------|-------|-------|
| | | PM-10 | NOx | ROG | CO | SOx |
| North | 932,276 | 9.6 | 104.2 | 14.7 | 82.2 | 112.8 |
| South | 792,414 | 7.6 | 93.0 | 12.0 | 65.1 | 186.4 |
| UK | 806,290 | 6.6 | 102.0 | 8.2 | 43.5 | 208.9 |
| LPG | 2,754,431 | 14.1 | 1,172.8 | 28.1 | 289.4 | 412.4 |
| Total | 5,285,411 | 37.9 | 1,472.0 | 63.0 | 480.2 | 920.5 |

Quarter III (July 1, 2017 - September 30, 2017):

| Flare ID | Total Gas Flow (scf) | Emissions (lbs) | | | | |
|--------------|-------------------------|-----------------|----------------|--------------|----------------|----------------|
| | | PM-10 | NOx | ROG | CO | SOx |
| North | 2,132,926 | 26.8 | 202.0 | 35.7 | 200.9 | 989.7 |
| South | 2,688,956 | 42.6 | 212.5 | 80.3 | 465.3 | 1,054.3 |
| UK | 1,539,066 | 14.1 | 184.7 | 18.9 | 102.5 | 835.1 |
| LPG | 8,302,961 | 58.3 | 4,107.2 | 254.6 | 2,311.8 | 1,319.4 |
| Total | 14,663,909 | 141.8 | 4,706.4 | 389.5 | 3,080.5 | 4,198.5 |

Quarter IV (October 1, 2017 - December 31, 2017):

| Flare ID | Total Gas Flow (scf) | Emissions (lbs) | | | | |
|--------------|-------------------------|-----------------|----------------|--------------|----------------|----------------|
| | | PM-10 | NOx | ROG | CO | SOx |
| North | 2,041,110 | 24.0 | 242.3 | 62.6 | 358.0 | 2,679.3 |
| South | 1,005,072 | 8.3 | 125.4 | 12.0 | 64.1 | 87.7 |
| UK | 1,496,540 | 11.6 | 192.8 | 12.6 | 66.2 | 272.2 |
| LPG | 3,426,071 | 24.1 | 1,631.9 | 101.0 | 912.0 | 517.3 |
| Total | 7,968,793 | 68.0 | 2,192.4 | 188.2 | 1,400.3 | 3,556.5 |