

FY2019 Lehigh University DEP Emission Summary

| | <u>GAS (million cubic feet)</u> | | | | | | <u>OIL (thousand gallons)</u> | | | | |
|---------------|---------------------------------|---------------|--------------|--------------|--------------|-------------|-------------------------------|-------------|-------------|-------------|-------------|
| | <u>APC1</u> | <u>APC2</u> | <u>APC3</u> | <u>MTC1</u> | <u>MTC2</u> | <u>MTC3</u> | <u>APC1</u> | <u>APC2</u> | <u>APC3</u> | <u>MTC1</u> | <u>MTC2</u> |
| Jan-19 | 0.00 | 23.99 | 7.14 | 2.28 | 11.31 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Feb-19 | 2.00 | 15.24 | 8.08 | 7.23 | 4.99 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Mar-19 | 4.15 | 0.02 | 18.83 | 11.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Apr-19 | 0.15 | 0.01 | 13.59 | 7.56 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| May-19 | 0.00 | 10.39 | 1.00 | 6.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Jun-19 | 0.00 | 9.73 | 0.19 | 2.25 | 2.95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Jul-18 | 9.48 | 0.00 | 0.43 | 5.56 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Aug-18 | 1.69 | 8.86 | 0.43 | 5.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Sep-18 | 0.03 | 12.00 | 0.00 | 5.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Oct-18 | 0.01 | 15.70 | 0.01 | 7.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Nov-18 | 0.00 | 21.50 | 1.26 | 11.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Dec-18 | 0.00 | 24.10 | 2.37 | 12.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Totals | 17.51 | 141.54 | 53.33 | 84.79 | 19.25 | 0.92 | 0.00 | 0.00 | 0 | 0.00 | 0 |

Emissions, per boiler, pounds over tons:

| | <u>APC1</u> | <u>APC2</u> | <u>APC3</u> | <u>MTC1</u> | <u>MTC2</u> | <u>MTC3</u> | <u>APC1</u> | <u>APC2</u> | <u>APC3</u> | <u>MTC1</u> | <u>MTC2</u> |
|-------|-----------------|-----------------|-----------------|-----------------|----------------|--------------|-------------|-------------|-------------|-------------|-------------|
| PM10 | 133.1 0.07 | 1075.7 0.54 | 405.3 0.20 | 644.4 0.32 | 146.3 0.07 | 7.0 0.00 | 0.0 0.00 | 0.0 0.00 | 0.0 0.00 | 0.0 0.00 | 0.0 0.00 |
| PM2.5 | | | | | | | 0.0 0.00 | 0.0 0.00 | 0.0 0.00 | 0.0 0.00 | 0.0 0.00 |
| SOX | 10.5 0.01 | 84.9 0.04 | 32.0 0.02 | 50.9 0.03 | 11.6 0.01 | 0.6 0.00 | 0 0.00 | 0 0.00 | 0 0.00 | 0.0 0.00 | 0.0 0.00 |
| NOX | 1751.0 0.88 | 14154.0 7.08 | 5333.0 2.67 | 8479.0 4.24 | 1925.0 0.96 | 92.0 0.05 | 0.0 0.00 | 0.0 0.00 | 0.0 0.00 | 0.0 0.00 | 0.0 0.00 |
| VOC | 96.3 0.05 | 778.5 0.39 | 293.3 0.15 | 466.3 0.23 | 105.9 0.05 | 5.1 0.00 | 0.0 0.00 | 0.0 0.00 | 0.0 0.00 | 0.0 0.00 | 0.0 0.00 |
| CO | 1470.84 0.74 | 11889.4 5.94 | 4479.72 2.24 | 7122.36 3.56 | 1617 0.81 | 77.3 0.04 | 0.0 0.00 | 0.0 0.00 | 0.0 0.00 | 0.0 0.00 | 0.0 0.00 |

Annual Totals

| | | <u>GAS</u> | | <u>OIL</u> | | <u>Totals (tpy)</u> |
|-----|---|----------------|-------------|-----------------|-------------|---------------------|
| | | <u>lb/MMcf</u> | <u>tons</u> | <u>lb/1Kgal</u> | <u>tons</u> | |
| GAS | 317.34 MMcf | 7.6 | 1.21 | 7.80 | 0.00 | 1.21 |
| | | | | 6.96 | 0.00 | 0.00 |
| | | 0.6 | 0.10 | 158.6 | 0.00 | 0.10 |
| | | 100 | 15.87 | 47.0 | 0.00 | 15.87 |
| | | 5.5 | 0.87 | 1.13 | 0.00 | 0.87 |
| | | 84 | 13.33 | 5 | 0.00 | 13.33 |
| OIL | 0.00 Kgals 2500.00 permit 2500.00 | | | | | |

