

A. Additional Terms and Conditions

1. The lbs/hr and TPY limitations specified in this permit were established to reflect the potential to emit for the emissions unit. Therefore, it is not necessary to develop record keeping and reporting requirements to ensure compliance with these limitations.

B. Operational Restrictions

1. This emissions unit shall be restricted to the use of natural gas at all times.

C. Compliance Methodology

1. Compliance with the emission limitation(s) in this permit shall be determined in accordance with the following method(s):

a. Emission Limitation

0.020 lb part./mmBtu

Applicable Compliance Method

Compliance shall be based upon multiplying the maximum hourly gas burning capacity of the emissions unit (10,500 cu.ft/hr) by the AP-42 emission factor for natural gas (14 lbs PM/mm cu.ft) and dividing by the maximum hourly heat input capacity of the emissions unit (10.5 mmBtu/hr).

b. Emission Limitation

0.66 TPY particulate

Applicable Compliance Method

The 0.66 TPY limitation was developed by multiplying the maximum hourly gas usage rate of 10,500 cu.ft/hr by the AP-42 emission factor (14 lbs PM/mm cu.ft) and by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton.

c. Emission Limitation

0.0063 lb/hr SO₂

Applicable Compliance Method

Compliance shall be determined by multiplying the AP-42 emission factor for natural gas (0.6 lb/mm cu.ft) by the maximum hourly gas burning capacity (10,500 cu.ft) of the emissions unit.

d. Emission Limitation

0.028 TPY SO₂

Applicable Compliance Method

The 0.028 TPY limitation was developed by multiplying the 0.0063 lb/hr limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

e. Emission Limitation

1.47 lbs/hr NO_x

Applicable Compliance Method

Compliance shall be determined by multiplying the AP-42 emission factor for natural gas (140 lbs/mm cu.ft) by the maximum hourly gas burning capacity (10,500 cu.ft) of the emissions unit.

f. Emission Limitation

6.44 TPY NO_x

Applicable Compliance Method

The 6.44 TPY limitation was developed by multiplying the 1.47 lbs/hr limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

g. Emission Limitation

0.37 lb/hr CO

Applicable Compliance Method

Compliance shall be determined by multiplying the AP-42 emission factor for natural gas (35 lbs/mm cu.ft) by the maximum hourly gas burning capacity (10,500 cu.ft) of the emissions unit.

h. Emission Limitation

1.62 TPY CO

Applicable Compliance Method

The 1.62 TPY limitation was developed by multiplying the 0.37 lb/hr limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

i. Emission Limitation

0.061 lb/hr OC

Applicable Compliance Method

Compliance shall be determined by multiplying the AP-42 emission factor for natural gas (5.8 lbs/mm cu.ft) by the maximum hourly gas burning capacity (10,500 cu.ft) of the emissions unit.

j. Emission Limitation

0.27 TPY OC

Applicable Compliance Method

The 0.27 TPY limitation was developed by multiplying the 0.061 lb/hr limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

k. Emission Limitation

5 percent opacity, as a 6-minute average

Applicable Compliance Method

Compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(1) using the methods and procedures specified in USEPA Reference Method 9.