## Emissions Inventory EXAMPLE: Natural Gas Boilers and Heating Equipment

### General Process Form 2018

Place an X in any gray cell to mark data requested to be held confidential. See Instructions for requirements for information to be deemed confidential.

1. Process ID 1

2. Process Type/Description: 3 boilers & 1 water heater, each rated less than 10,000,000 Btu/hr

3. Stack ID(s) (only if required on Stack Form)

4. Process TIER Code: 020301 FUEL COMBUSTION NATURAL GAS

5. SCC Code 10200603 (8 digit number) INDUSTRIAL NATURAL GAS COMBUSTION < 10 MMBTU/HR


7. Normal Operating Schedule: Hours/Day 18, Days/Week 6, Hours/Year 5616, Weeks/Year 52

8. Typical Hours of Operation (military time) Start 0600, End 2359

9. Emissions based on: natural gas

10. Used (input) or □ Produced (output) or □ Existing (e.g. VMT, acres)

11. Annual Amount: (a number) 25,000

12. Fuel Sulfur Content (in percent)

13. Unit of Measure: therms

14. Unit Conversion Factor: 0.0000952

**NOTE:** Place an X in any gray cell to mark data requested to be held confidential. See Instructions for requirements for information to be deemed confidential.

<table>
<thead>
<tr>
<th>Pollutant</th>
<th>Emission Factor (EF) Information</th>
<th>Control Device Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>CO</td>
<td>84 lb/MMCF</td>
<td></td>
</tr>
<tr>
<td>NOx</td>
<td>100 lb/MMCF</td>
<td></td>
</tr>
<tr>
<td>PM10</td>
<td>7.6 lb/MMCF</td>
<td></td>
</tr>
<tr>
<td>SOx</td>
<td>0.6 lb/MMCF</td>
<td></td>
</tr>
<tr>
<td>VOC</td>
<td>5.5 lb/MMCF</td>
<td></td>
</tr>
</tbody>
</table>

**NOTE:** This is the most common natural gas equipment type. The TIER code on line 4 and emission factors in column 16 are suitable for any size natural gas heating equipment (but NOT engines). Emissions are calculated as follows:

*Example for CO:* 25,000 therms x 0.0000952 MMCF/therm = 2.38 MMCF x 84 lb/MMCF = 200 lb CO emissions

**Control Efficiency Reference Codes**
1 = Tested efficiency / EPA reference method
2 = Tested efficiency / other source test method
3 = Design value from manufacturer
4 = Best guess / engineering estimate
5 = Calculated based on material balance
6 = Estimated, based on a published value