# Texas Commission on Environmental Quality

# Table 6

# Boilers and Heaters

| **Equipment Information** |
| --- |
| Type of Device: |
| Manufacturer: | Model Number: |
| Emission Point Number (EPN) (from Flow Diagram): |
| **Fuel Characteristics (choose applicable fuel characteristics, or revise from typical values shown)** |
| **Fuel Type** | **Hours Use Per Year** | **Fuel Sulfur Content and Units** | **Higher Heating Value and Units** |
| [ ]  Natural Gas | 8760 | 2 gr / 100 dscf | 1020 Btu/scf |
| [ ]  No. 2 Fuel Oil  | 760 |  | 140 MMBtu/1000 gal |
| [ ]  Propane |  |  | 91.5 MMBtu/1000 gal |
| [ ]  Plant Fuel Gas |  |  |  |
| [ ]  Landfill Gas |  |  |  |
| [ ]  Other:  |  |  |  |
| **Fuel Firing Rate** |
| Design Maximum: | Units (MMBtu/hr is preferred): |
| **Stack Parameters (not required if represented on page 2 of Table 1(a))** |
| Stack Diameter (ft): | Stack Height (ft): |
| Stack gas velocity at maximum fuel flow rate (ft/second): |
| Stack Gas Temperature (°F): | Exhaust (scfm\*): |
| **Exhaust Air Flow and Excess Air** |
| Exhaust Air Flow (scfm\*): |
| Percentage of Excess Air: |
| **Control Device (if present)** |
| Add on Control Device (type, description): |

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| **Characteristics of Output: Outlet Concentrations to be used as Emission Factors (confirm applicable fuel characteristics, revise from typical values shown, or enter applicable value)** |
| --- |
| **Material** | **Chemical Composition of Exit Gas Released (% by volume)** |
| [ ]  NOx | 3.5 ppmv corrected to 3% O2**\*\*** |
| [ ]  CO | 88 ppmv corrected to 3% O2**\*\*** |
| [ ]  VOC |  |
| [ ]  Formaldehyde (should be subset of VOC) |  |
| [ ]  SO2 | Assume 100% conversion of fuel sulfur to SO2**\*\*** |
| [ ]  PM/PM10/PM2.5 |  |
| [ ]  Others (such as Ammonia):  | 10 ppmvd at 3% O2**\*\*** |

Attach an explanation on how temperature, air flow rate, excess air or other operating variables are controlled.

\* Standard Conditions: 68°F, 14.7 psia\*\* Values shown are typical for natural gas fired boilers; confirm with your vendor.