# 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.