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)**
☐ NO_x	3.5 ppmv corrected to 3% O_2**
☐ CO	88 ppmv corrected to 3% O_2**
☐ VOC	
☐ Formaldehyde (should be subset of VOC)	
☐ SO_2	Assume 100% conversion of fuel sulfur to SO_2**
☐ $PM/PM_{10}/PM_{2.5}$	
☐ Others (such as Ammonia):_____	10 ppmvd at 3% O_2**

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.

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