



## FUEL COMBUSTION PROCESS

Organization Name: \_\_\_\_\_

No. of units included in this application \_\_\_\_\_ (use a separate form for units which are not identical)

Manufacturer: \_\_\_\_\_ Model: \_\_\_\_\_ Serial No. \_\_\_\_\_

**EQUIPMENT TYPE: (enclose a copy of the manufacturer's brochure and any emission testing results)**

- boiler
- after-burner
- other: \_\_\_\_\_
- oxidizers/incinerator: (include a detailed process flow diagram for all incinerators)
  - thermal oxidizer
  - hazardous waste
  - pathology. waste
  - other: \_\_\_\_\_
- process heater
- furnace
- catalytic oxidizer
- gas/vapors
- liquid waste
- kiln
- oven
- flare
- material heated: \_\_\_\_\_
- Do combustion gases contact material heated?  yes  no
- if electrically heated \_\_\_\_\_ kW
- operating temp: \_\_\_\_\_ F°
- \*material heated: \_\_\_\_\_
- material feed rate: \_\_\_\_\_ lb/hr, \_\_\_\_\_ lb/yr
- rated heat input: \_\_\_\_\_ mmBTU/hr

**\*include an MSDS or chemical analysis**

**PROCESS OR CONTROL EQUIPMENT:**

- FGR
- non-selective catalyst
- other: \_\_\_\_\_ Mfg: \_\_\_\_\_ Model: \_\_\_\_\_ Serial No: \_\_\_\_\_
- selective catalyst
- O<sub>2</sub> control
- "lowNOx" burner

Control efficiency of air pollution control devices: \_\_\_\_\_ % (include any test results)

**PRIMARY USE**

- waste disposal
- process heat
- electricity generation
- other: \_\_\_\_\_
- abatement device
- space heat

**TYPE OF FUEL:**

TYPE OF FUEL:	HEAT CONTENT	SULFUR	ANNUAL FUEL USE	OPERATING HOURS
<input type="checkbox"/> natural gas	_____ Btu/cf	n/a	_____ therms	_____ hr/yr
<input type="checkbox"/> highway diesel	_____ Btu/gal	_____ wt%	_____ mgal	_____ hr/yr
<input type="checkbox"/> propane	_____ Btu/cf	n/a	_____ mgal	_____ hr/yr
<input type="checkbox"/> gasoline	_____ Btu/gal	n/a	_____ mgal	_____ hr/yr
<input type="checkbox"/> other: _____	_____ Btu/	_____	_____	_____ hr/yr

**ESTIMATED** (3% O<sub>2</sub> for boilers) NO<sub>x</sub>: \_\_\_\_\_ ppmv CO: \_\_\_\_\_ ppmv VOCs: \_\_\_\_\_ ppmf

**EMISSIONS\*:** \_\_\_\_\_ PM<sub>10</sub>: \_\_\_\_\_ lb/hr SO<sub>2</sub>: \_\_\_\_\_ ppmv

\*Cite reference, attach emissions calculations: \_\_\_\_\_

(APCD use only)

<b>Application No.</b>	
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