



**YOLO-SOLANO AIR QUALITY MANAGEMENT DISTRICT**

1947 Galileo Court, Suite 103; Davis, CA 95618

Phone (530)757-3650; Fax (530)757-3670

**BOILERS, DRYERS, AND PROCESS HEATERS  
APPLICATION INSTRUCTIONS AND SUPPLEMENTAL FORM 170**

For operation of boilers, dryers, or process heaters, please submit this completed form and with an Authority to Construct (ATC) application form and the applicable filing fees.

After an ATC or Permit to Operate (PTO) is granted for any equipment, deviations from the approved plans are not permissible without first securing additional written approval for the changes from the Air Pollution Control Officer.

Further information or clarification concerning permits can be obtained by writing or by calling the engineering staff at (916) 757-3650, or toll free within the 530, 916 and 707 area codes at (800) 287-3650.

**SECTION 1 - Please provide the following**

- I. Equipment Location Drawing: The drawing or sketch submitted must show at least the following:
  - A. The property involved and outlines of all buildings on it. Identify property lines plainly.
  - B. Location and identification of the boiler or heater on the property. Identify the location of the stack or vent if it is not immediately above the boiler or heater.
- II. Emission Guarantees: Provide the manufacturer's emission guarantees, if available.

**SECTION 2 - Company Information**

Company Name: \_\_\_\_\_

Facility Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

**SECTION 3 – Equipment Information**

Boiler                       Dryer                       Process Heater                       Other: \_\_\_\_\_

Equipment Manufacturer: \_\_\_\_\_

Model #: \_\_\_\_\_ Serial # \_\_\_\_\_

Flue Gas Recirculation?     Forced FGR                       Induced FGR                       None

**SECTION 4 – Primary Burner Information**

Fuel Type:     Natural Gas                       LPG/Propane                       Other

If other, specify Higher Heating Value (HHV): \_\_\_\_\_ Btu/scf                      or                      \_\_\_\_\_ Btu/gal

If other, specify sulfur (H<sub>2</sub>S) content: \_\_\_\_\_ gr/scf                      or                      \_\_\_\_\_ % by weight

Burner Manufacturer: \_\_\_\_\_

Model #: \_\_\_\_\_ Serial # \_\_\_\_\_

Maximum heat input rating \_\_\_\_\_ Million BTU/hour

Standard                       Low NOx \_\_\_\_\_ ppmv @3% O<sub>2</sub>                       Ultra low NOx \_\_\_\_\_ ppmv @3% O<sub>2</sub>

**SECTION 5 – Secondary Burner Information** (leave blank if none)

Fuel Type:  Natural Gas  Fuel Oil  LPG/Propane  Other: \_\_\_\_\_

If other, specify Higher Heating Value (HHV): \_\_\_\_\_ Btu/scf or \_\_\_\_\_ Btu/gal

If other, specify sulfur (H<sub>2</sub>S) content: \_\_\_\_\_ gr/scf or \_\_\_\_\_ % by weight

How will the secondary fuel be used?  Emergency only  Supplemental (on demand)  Other \_\_\_\_\_

Burner Manufacturer: \_\_\_\_\_

Model #: \_\_\_\_\_ Serial # \_\_\_\_\_

Maximum heat input rating \_\_\_\_\_ Million BTU/hour

Standard  Low NOx \_\_\_\_\_ ppmv @3% O<sub>2</sub>  Ultra low NOx \_\_\_\_\_ ppmv @3% O<sub>2</sub>

**SECTION 6 – Additional Emissions Control Equipment**

Selective Catalytic Reduction Manufacturer: \_\_\_\_\_ Model: \_\_\_\_\_

Ammonia  Urea  Other \_\_\_\_\_

NOx Control Efficiency (%): \_\_\_\_\_

**SECTION 7 – Fuel Tracking (must select one)**

Non-resetting totalizing fuel meter (dedicated solely for this specific equipment)

Meter Manufacturer: \_\_\_\_\_

Model #: \_\_\_\_\_ Serial # \_\_\_\_\_

Does the meter compensate for pressure and temperature?  Yes  No

PG&E Meter

List all other natural gas fuel burning equipment served by the same meter: \_\_\_\_\_

Non-resetting totalizing hour meter (fuel usage will be determined by multiplying hours by rated heat input of the equipment)

**SECTION 8 – Operating Schedule Information**

How do you want the District to calculate your emissions?

Use the rated heat input times 24 hours per day, 365 days per year. If you check this option, and the District determines that this will trigger additional requirements (e.g. further control, or emission reduction credits), the District will contact you to offer a reduced operating schedule before we issue the ATC.

Use a reduced operating schedule (hour limits):

- \_\_\_\_\_ hours per day
- \_\_\_\_\_ hours per quarter
- \_\_\_\_\_ hours per year

Use a reduced operating schedule (fuel usage):

- \_\_\_\_\_ standard cubic feet per day
- \_\_\_\_\_ standard cubic feet per quarter
- \_\_\_\_\_ standard cubic feet per year

Other: \_\_\_\_\_