

SUPPLEMENTAL INFORMATION: BOILERS AND LIQUID HEATERS

Submit the following information and complete the attached form with your application for an Authority to Construct.

1. EQUIPMENT LOCATION DRAWING - The drawing or sketch submitted must show the following:

- a. The property involved, with outlines of all buildings. Identify property lines plainly.
- b. Location and identification of the boiler or liquid heater on the property. Location of stack or vent.

2. ESTIMATE OF EMISSIONS

- a. Provide estimates of pollutant concentrations and mass emission rates.
- b. State any combustion modifications or control devices employed to reduce NO_x emissions. State estimated reduction.
- c. Best Available Control Technology (BACT) is required if pollutant daily emissions are over:

Particulate Matter (PM ₁₀)	80 lb/day
Nitrogen Oxides	25 lb/day
Sulfur Oxides	80 lb/day
Reactive Organic Compounds	25 lb/day
Carbon Monoxide	500 lb/day

3. DRAWING OF BOILER OR HEATER - Supply a drawing, dimensioned and to scale, showing the following:

- a. Overall size and shape of the unit.
- b. Fuel type.
- c. Fuel consumption estimate.
- d. Submit the manufacturers catalog or specifications for the equipment.

4. ADDITIONAL INFORMATION

- a. Complete page 2.

After an Authority to Construct is granted for any equipment, deviations from the approved plans are not permissible without first securing additional approval for the changes from the Air Pollution Control Officer.

Further information or clarification concerning permits can be obtained by calling (530) 332-9400.

BOILER AND HEATER SUMMARY

1. Company Name: _____

2. Boiler Manufacturer: _____

Model Number: _____

Serial Number: _____

3. Boiler Rating: _____ BTU/hour input

4. Use: steam at ____ psig hot water space heating industrial process

5. Fuel Type:

Gas: natural LPG

process _____ H₂S content (gr/100 cuft) _____ Heat Content (BTU/cuft)

Oil: kerosene diesel: No. 2 No. 5 No. 6

Sulfur content: _____ % by weight

Nitrogen content (if No. 6): _____ % by weight

6. Fuel Usage: (give average values of high/low burn)

Natural Gas

Fuel Oil

_____ cuft/hr

_____ gal/hr

_____ cuft/dy

_____ gal/day

_____ cuft/yr

_____ gal/yr

7. Operating Schedule: _____ hours/day
(give average times)

_____ hours/week

_____ hours/year