

SUPPLEMENTAL INFORMATION: INCINERATORS

Submit the following information with your application for an Authority to Construct:

1. EQUIPMENT LOCATION DRAWING - The drawing or sketch submitted must show at least the following:
 - a. The property involved and outlines and heights of all buildings on it. Identify lines plainly.
 - b. Location and identification of the incinerator on the property.
2. DESCRIPTION OF INCINERATOR - State make, model, size and type.
3. MATERIALS TO BE BURNED AND OPERATING SCHEDULE
 - a. Type and amount of materials to be burned, in pounds per hour, per day, per week and per year.
 - b. Number of hours per day, days per week and weeks per year incinerator is to be operated.
4. DRAWINGS OF INCINERATOR - Supply the following information and drawings.
 - a. Outside and inside dimensions of all sections or chambers showing dimensions of inside and outside walls.
 - b. Inside and outside dimension, and height of stack.
 - c. If an induced draft system is used supply name, model number, and RPM of the fan, and the H.P. and RPM of the fan motor.
 - d. Location, sizes, and shapes of the charging, stoking, and clean-out doors.
 - e. Secondary combustion air supply (air admitted at or near the flame port). Show points of supply with areas of openings to mixing chamber. Indicate method of adjustment with sufficient detail.
 - f. Submit the manufacturer's catalog or specification for the equipment.
5. AUXILIARY BURNERS AND FUEL IF USED
 - a. Show location of burners on drawings.
 - b. Supply drawing, name, and model of burner or catalog description of burner. Indicate the method burners are to be lighted. State amount of fuel that will be available at meter per hour.
 - c. Specify fuel to be used. For gas specify natural gas, butane, propane, etc. If a fuel
 - d. storage tank is to be installed state its capacity.

6. ESTIMATE OF EMISSIONS

- a. Provide estimates of pollutant concentrations and mass emission rates for pollutants listed in c. below, from each emissions unit or air pollution control device. Fugitive emissions from uncontrolled sources should also be quantified.
- b. State any combustion modifications or control devices employed to reduce emissions. State estimated reduction.
- c. Best Available Control Technology (BACT) is required if the potential to emit exceeds one or more of the following limitations on a daily basis:

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|----------------------------|-----|--------|
| 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 |

After 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 on clarification concerning permits can be obtained by calling (530) 332-9400.