

SUPPLEMENTAL INFORMATION: CREMATORY

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 crematory on the property.
2. DESCRIPTION OF CREMATORY
 - a. State make, model, size and type.
3. CASES TO BE BURNED AND OPERATING SCHEDULE
 - a. Total volume of cases to be charged, in pounds per hour, per day, per week and per year.
 - b. Number of hours per day, days per week and weeks per year crematory is to be operated.
4. DRAWINGS OF CREMATORY - Supply the following information and drawings (This information may be included in the manufacturers' specification catalog).
 - 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 HP 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. COMBUSTION DATA
 - a. Show location of the primary and secondary burners on drawings.
 - b. Supply drawing, name, and model of burner or catalog description of burner. Indicate the method of burner ignition.
 - c. Specify fuel to be used. Gas - specify natural gas, butane, propane, etc. If a fuel storage

tank is to be installed state its capacity.

- d. Provide data on the maximum rated capacity of both the primary and secondary burners in units of British thermal units per hour (Btu/hr) or gallons per hour.
- e. Provide the minimum operating temperature inside both the primary and secondary combustion chambers.

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:

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

The potential to emit is the calculated pollutant emission rate associated with operating the equipment at the maximum rated capacity for 24 hours per 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) 891-2882.