

SUPPLEMENTAL INFORMATION: AFTERBURNER/VAPOR INCINERATOR

Submit the following information 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 and outlines and heights of all buildings. Identify property lines plainly.
 - b. Location and identification of each piece of equipment the afterburner/vapor incinerator (A/VI) is to serve.
 - c. Location of the ductwork and air pollution control equipment. Use lines to indicate ducts and include the outlines of the air pollution control device and sources of air contaminants.

2. OPERATING SCHEDULE
 - a. Specify the hours per day, days per week, and weeks per year the A/VI will be operated.

3. 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

4. DESCRIPTION OF A/VI - Submit the following:
 - a. The make, model, size, and type of A/VI.
 - b. A dimensioned drawing, showing clearly (when standard commercial equipment is to be installed, the manufacturer's catalog describing the equipment may be submitted): Outside and inside dimensions of all sections or chambers showing dimensions of inside and outside wall; inside and outside dimensions, and height of stack; and, location of burners.
 - c. The name and model of burner or catalog description of burner. Specify the type and amount of fuel to be used. If a fuel storage tank is to be installed, state its capacity.
 - d. Submit all data and calculations used in choosing or designing the A/VI.
 - e. Provide estimates of the pollutant concentrations and mass emission rates. Specify the efficiency of the afterburner in controlling the pollutants. Supply data to substantiate.
 - f. The catalyst data giving manufacturer's name, size, type, quantity, and location (if catalyst used).

After an Authority to Construct is granted for any equipment, alterations 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) 891-2882.