

## SUPPLEMENTAL INFORMATION: CARBON ADSORPTION UNIT

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 of all buildings. Identify property lines.
  - b. Location of carbon adsorption unit and any associated ductwork. Include the outlines of any equipment the unit is to serve.
2. DESCRIPTION OF EQUIPMENT - The following information and drawings must be submitted:
  - a. Make, model, size, type, and capacity of the carbon adsorption unit.
  - b. All data and calculations used in choosing or designing the carbon adsorption unit.
  - c. Describe the procedures for regenerating the carbon adsorption bed.
  - d. Expected efficiency of the carbon adsorption unit in controlling the types of air contaminants involved. Supply data to substantiate.
  - e. Submit the manufacturer's catalog or specifications for the equipment.
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

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) 332-9400.