

## **SUPPLEMENTAL INFORMATION: ASPHALT CONCRETE PRODUCTION**

Please submit the following information with your application for an Authority to Construct Permit:

1. EQUIPMENT LOCATION DRAWING - The drawings submitted must show the following:
  - a. The property involved, with outlines and heights of all buildings. Identify property lines and adjoining properties.
  - b. The location and identification of all process and control equipment including any feeders, crushers, screens, hoppers, conveyor belts, asphalt production equipment, oil heaters, fuel tanks, power generating equipment, etc.
2. DESCRIPTION OF PROCESS AND PROCESS FLOW DIAGRAM
  - a. Provide a description of the process including the location of all materials entering and exiting the process. This is particularly important for those facilities that produce recycled or rubberized asphalt.
  - b. Provide a process flow diagram showing all materials entering and exiting the production equipment. All equipment should be clearly identified.
  - c. Provide the maximum quantity of each type of material produced on an annual basis (tons/yr). Maximum process rates for each piece of equipment should be clearly identified on the process flow diagram.
3. PROCESS AND AIR POLLUTION CONTROL EQUIPMENT
  - a. Specify the type of asphalt production equipment, batch or drum mix, and the maximum rated capacity of the equipment (tons/hr).
  - b. Specify the associated aggregate processing equipment, including any feeders, crushers, screens, hoppers, conveyor belts, etc., and the maximum rated capacity of same (tons/hr).
  - c. Specify the type of fuel used to dry and heat the aggregate and the maximum fuel consumption rate or burner capacity (gallons/hr, therms/hr, btu/hr).
  - d. Specify the type of fuel used by the hot oil heater and the maximum fuel consumption rate or burner capacity (gallons/hr, therms/hr, btu/hr).
  - e. Specify the type and rating of any power generating equipment, internal combustion engines, used in conjunction with the subject equipment. Include the fuel type and maximum fuel consumption rate (gallons/hr), and complete the appropriate Supplemental Information Sheet.
  - f. Specify the normal facility operating schedule (hours/day, days/week, weeks/yr).
  - g. Specify the type of air pollution control equipment used (cyclone, baghouse, scrubber, vapor incinerator, etc.), and complete the appropriate Supplemental Information Sheet.

- h. Submit a manufacturer's brochure or specifications describing each piece of process equipment installed. Include any vender-supplied data on emissions performance.
- i. Provide an MSDS for all asphaltic oil, rubberized asphaltic cement or similar materials used in the production process, if available.

4. 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

BACT determinations will be made on a case-by-case basis, based upon the most current information for the emission source of process equipment.

After an Authority to Construct Permit 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.

Supplemental Information Forms referenced above can be obtained by calling (530) 332-9400.