

SUPPLEMENTAL INFORMATION: AGGREGATE PROCESSING PLANT

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, with outlines and heights of all buildings. Identify property lines and adjoining properties.
 - b. Location and identification of the process equipment including crushers, screens, conveyors, water pumps, fuel storage tanks, hoppers, stock piles, stacks, access roads (in miles).
 - c. Identify equipment manufacturer, model number, capacity, size, length, fuel consumption rate and horsepower of all motors.

2. DESCRIPTION OF PROCESS
 - a. Specify the type of aggregate produced, moisture content of aggregate material, and if aggregate will include any serpentine-bearing rock.
 - b. Supply a block flow diagram describing process flow direction and process materials. Estimate the percent of material that is recycled through the process.
 - c. Specify the hours per day, days per week, weeks per year of equipment operation.
 - d. Specify the maximum and average operating capacity, in tons per hour, of material processed.
 - e. Specify the maximum and average number of tons of material processed per year.
 - f. Specify the maximum and average truck vehicle miles traveled per day and per year on the plants unpaved roadways.

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. EMISSION CONTROL EQUIPMENT
 - a. Locate and describe all process emission control devices including baghouses, water spray nozzles, water spray bars, sprinklers, and water trucks. Specify water pressure and control efficiency at all control points.
 - b. Specify any plant road dust control materials including asphalt, concrete, water, and surfactant.

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.