

SUPPLEMENTAL INFORMATION: ABRASIVE BLASTING (CONFINED)

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 and/or facilities.
 - b. Location of the abrasive blasting unit (ABU), exhaust control equipment and associated ductwork. Use lines to show ducting from ABU to control equipment.
2. DESCRIPTION OF ABU
 - a. Please supply a blueprint of ABU specifications including manufacturer name, model number, and serial number.
 - b. Make, model, size, and type of all blasting equipment; i.e., blasting pot, blower, shaker, etc. Specify horsepower of applicable equipment.
 - c. Type and amount of abrasive used; i.e., brand name, size, composition, lb/hour, etc.
3. ESTIMATE OF EMISSIONS
 - a. Provide estimates of pollutant concentrations and mass emission rates for pollutants listed in b. below, from each emissions unit or air pollution control device. Fugitive emissions from uncontrolled sources should also be quantified.
 - b. 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 EXHAUST CONTROL EQUIPMENT
 - a. Make, model, size, type, and capacity of the exhaust control equipment (ECE); i.e., cyclone, baghouse, fabric filter, etc.
 - b. If applicable to ECE, all specifications of intake fan; i.e., model, horsepower, size, and volume of air (CFM) handled.
 - c. Describe the means of disposal and/or retrieval of the collected abrasive.
 - d. State pressure drop (inches of water) across the unit at design specifications.
 - e. If applicable to ECE, specify filter cloth material, total filtering area, air-to-cloth ratio, and filter cleaning procedure.
 - f. State efficiency (%) of the ECE.
 - g. Submit an ECE manufacturer's catalog or specifications.
5. OPERATING SCHEDULE
 - a. Specify the hours per day, hours per week, days per week, or weeks per year of ABU operation.

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.